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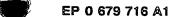
GENE SIGNATURE.

© A 3'-directed cDNA library which accurately reflects the abundance ration of mRNA in a cell has been prepared from various human tissues, and sequencing of the cDNAs contained in the library has be conducted to examine the incidence of each cDNA in each tissue. As each cDNA has expression information with each tissue corresponding to the mRNA concentration, these cDNAs are usable as a probe or primer for detecting cell anomoly or discriminating cells. The cloned gene can produce porteins utilizable as a medicine or the like.

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SEQUENCE LISTING

- (1) GENERAL INFORMATION:
- (i) APPLICANT:

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- (A) NAME: CHUGAI PHARMACEUTICAL CO., LTD.
- (B) STREET: 41-8, Takada 3-chrome, Toshima-ku
- (C) CITY: Tokyo
- (E) COUNTRY: JAPAN
- (F) ZIP: 171
- (ii) TITLE OF INVENTION: GENE SIGNATURE
- (iii) NUMBER OF SEQUENCES: 7848
 - (iv) COMPUTER READABLE FORM:
 - (A) MEDIUM TYPE: Diskette, 3.5 in., DS, 1.44 MB
 - (B) COMPUTER: IBM PC compatible
 - (C) OPERATING SYSTEM: PC-DOS/ MS-DOS
 - (D) SOFTWARE: MS-DOS
 - (v) CURRENT APPLICATION DATA
 - (A) APPLICATION NUMBER: EP 95900295.7
 - (vi) PRIOR APPLICATION DATA
 - (A) APPLICATION NUMBER: PCT/JP94/01916
 - (B) FILING DATE: 11. November 1994

	SEQ ID NO:111	
	SEQUENCE LENGTH: 375	
	SEQUENCE TYPE:nucleic acid	
5	TOPOLOGY: linear	
	CLONE: HUMGS00124	
	SEQUENCE DESCRIPTION:	
	GATCCTACCT ATCAAGCACT AAAAAGTTGA ACCATTATAC TTTATATCTG TAATGATACT	۴C
10	GATTATGAAA TGTCCCCTCA AACTCATTGC AGCAGATAAC TTTTTTGAGT CATTGACTTC 12	
	ATTTTATATT TAAAAAATTA TGGAATATCA TCTGTCATTA TATTCTANTT AANGTTGTGC 18	
	ATAATGCTTT GGAANAATGG GTCTTTTATA GGAAAAAACC TGGGATAACT GATTTCTATG 24	
	GCTTTCAAAG CTNAAATATN TAATATACTA AACCANCTCT AATATTGCTT CTTGTGTTTT 30	
_	ACTGTCAGNT TAANTTACAG CTTTTATGGG TGGTTAACTT TTCGTNCATT TTCAAAAAAN 36	
15	CCNGGGGNNN NNNNN 37	
	SEQ ID NO:112	
	SEQUENCE LENGTH: 356	
20	SEQUENCE TYPE:nucleic acid	
	TOPOLOGY: linear	
	CLONE: HUMGS00125	
	SEQUENCE DESCRIPTION:	
25	GATCTCTGTT TTGTTGTTGA AAATTCATTT GTATACTTTT GTTTTNATCT AGGACTTCAT 6	
	GTTTTTNAA AGCACTGGCA GCCAGGAACA AAAATCAGGA GTGTGGTAGT GGATTAGTGA 12	_
	AAGTCTCCTC AGGAAATCTG AAGTCTGTAT ATTGATTGAN ACTATCTAAN CTCATACCTG 18	
	TATGANTTAA GCTGTAAGGC CTGTAGCTCT GGTTGTATAC TTTTCCTTTT CAAATTATAG 24	
	TTTATCTNCT GTATAACTGA TTTATAAAGG TTTTTGTACA TTTNTNAATA CTCATTGTCA 30	0
3 0	ATTTGAGAAA AAGGACATAT GAGTTTTTNC ATTTATTAAT GNAACTNCCT TTGAAA 35	6
	SEQ ID NO:113	
	SEQUENCE LENGTH: 351	
35	SEQUENCE TYPE:nucleic acid	
	TOPOLOGY: linear	
	CLONE: HUMGS00127	
	SEQUENCE DESCRIPTION:	
	GATCACATTA TNATAAATAA ATGAAAAAAT GATTTAATCT GTAATAAACT GGTTTATTGT 6	0
40	GCAGTGACTG TAATATACTA GAGTTATAAT AAATTGTTTA CTCTGCCTCA CCAAACACAT 12	
	GCTAGGATAT AACCCCCAAA ATAAGTATTT AACTTTGCAT TAGGTATAAA GGAGACTGGG 18	0
	TGCTATAATN AGATTATTTT GAGGCAGACA GAGAGCTGTT ATCCTAACTG ATTTAGTATG 24	
	TTCTGTAATT GAGAAAATGT TCACCAAATN ATACTTTTTA GTGATTTACA TGTACATTTT 30	0
15	ATAGGGGACA TGTTCTGTGT ATAGCGAATA AATAACTTTT ATAGTATCAC N 35	1
	SEQ ID NO:114	
	SEQUENCE LENGTH: 352	
	SEQUENCE TYPE:nucleic acid	
50	TOPOLOGY: linear	
	CLONE: HUNGSOO128	

	SEQ ID NO:7844	
	SEQUENCE LENGTH: 37	
	SEQUENCE TYPE: nucleic acid	
5	STRANDEDNESS: single	
	TOPOLOGY: linear	
•.		
	CTCGCTCGCC CATCCTTATA CAGGCTCAGT TTTGTCT	37
10	SEQ ID NO:7845	
	SEQUENCE LENGTH: 37	
	SEQUENCE TYPE: nucleic acid	
	STRANDEDNESS: single	_
15	TOPOLOGY: linear	
	SEQUENCE DESCRIPTION:	
	CTCGCTCGCC CATGTATAGG GACAGCATTT CTGAGAG	37
	SEQ ID NO:7846	
20	SEQUENCE LENGTH: 38	
	SEQUENCE TYPE:nucleic acid	
	STRANDEDNESS: single	
	TOPOLOGY: linear	
25	SEQUENCE DESCRIPTION:	
	CTGGTTCGGC CCACCTCTGA AGGTTCCAGA ATCGATAG	38
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30	SEQ ID NO:7847	
	SEQUENCE LENGTH: 22	
	SEQUENCE TYPE: nucleic acid	
	STRANDEDNESS: single	
35	TOPOLOGY: linear	
	SEQUENCE DESCRIPTION:	
	CCAGGGTTTT CCCAGTCACG AC	22
	CCVAGGIIII oppuriana va	
40	SEQ ID NO:7848	
₩	SEQUENCE LENGTH: 22	
	SEQUENCE TYPE: nucleic acid	
	STRANDEDNESS: single	
	TOPOLOGY: linear	
45	SEQUENCE DESCRIPTION:	

50 Claims

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TCACACAGGA AACAGCTATG AC

1. A purified single-stranded DNA, a purified single-stranded DNA complementary thereto, or a purified doubl -stranded DNA consisting of said single strands, containing all or a portion of a single-stranded DNA or a single-stranded DNA complementary thereto comprising any of the base sequences listed under SEQ ID NO 1-7837 and hybridizing specifically to a particular site of human genomic DNA, human cDNA or human mRNA.

- 2. A DNA probe consisting of a purified single-stranded DNA, a purified single-stranded DNA complementary thereto, or a purified double-stranded DNA consisting of said single strands, containing all or a portion of a single-stranded DNA or a single-stranded DNA complementary thereto comprising any of the bas sequences listed under SEQ ID NO 1-7837 and hybridizing specifically to a particular site of human genomic DNA, human cDNA or human mRNA.
- 3. `A DNA primer consisting of a purified single-stranded DNA, a purified single-stranded DNA complementary thereto, or a purified double-stranded DNA consisting of said single strands, containing all or a portion of a single-stranded DNA or a single-stranded DNA complementary thereto comprising any of the base sequences listed under SEQ ID NO 1-7837 and hybridizing specifically to a particular site of human genomic DNA, human cDNA or human mRNA.
- 4. A purified single-stranded DNA, a purified single-stranded DNA complementary thereto, or a purified double-stranded DNA consisting of said single strands, containing all or a portion of a single-stranded DNA or a single-stranded DNA complementary thereto, wherein said single-stranded DNA is complementary to a human mRNA containing any of the base sequences listed under SEQ ID NO 1-7837 (wherein T is read as U) or any portion thereof at its 3' region, and hybridizing specifically to a particular site of human genomic DNA, human cDNA or human mRNA.
- 5. A DNA probe consisting of a purified single-stranded DNA, a purified single-stranded DNA complementary thereto, or a purified double-stranded DNA consisting of said single strands, containing all or a portion of a single-stranded DNA or a single-stranded DNA complementary thereto, wherein said single-stranded DNA is complementary to a human mRNA containing any of the base sequences listed under SEQ ID NO 1-7837 (wherein T is read as U) or any portion thereof at its 3' region, and hybridizing specifically to a particular site of human genomic DNA, human cDNA or human mRNA.
 - 6. A DNA primer consisting of a purified single-stranded DNA, a purified single-stranded DNA complementary thereto, or a purified double-stranded DNA consisting of said single strands, containing all or a portion of a single-stranded DNA or a single-stranded DNA complementary thereto, wherein said single-stranded DNA is complementary to a human mRNA containing any of the base sequences listed under SEQ ID NO 1-7837 (wherein T is read as U) or any portion thereof at its 3' region, and hybridizing specifically to a particular site of human genomic DNA, human cDNA or human mRNA.

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Fig. 1

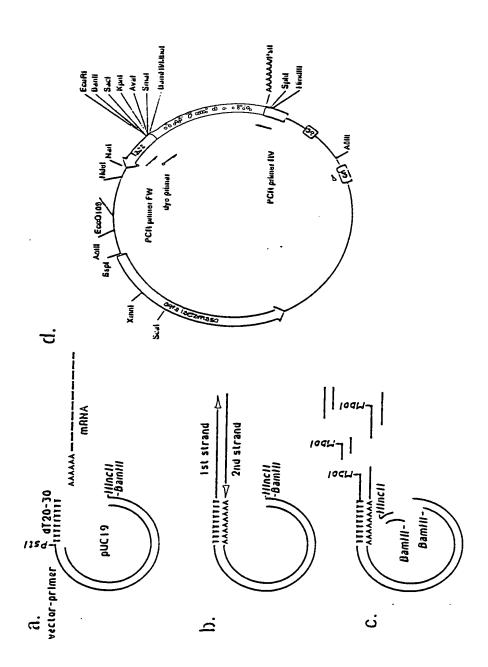


Fig. 2

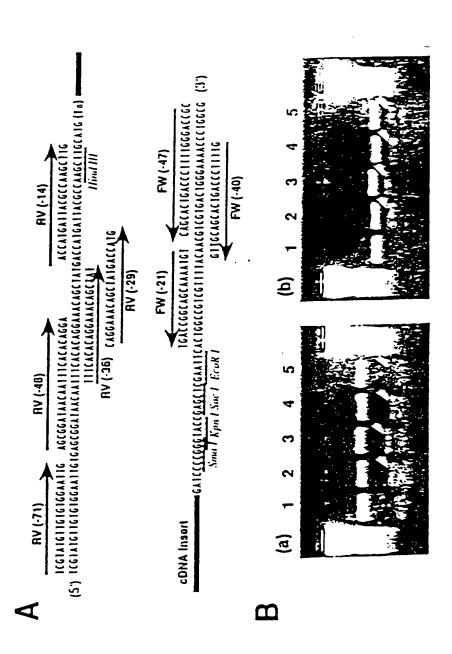


Fig. 3

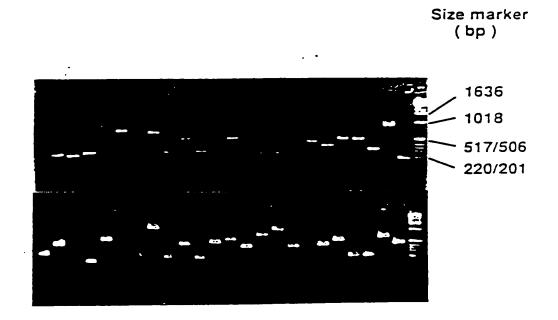


Fig. 4

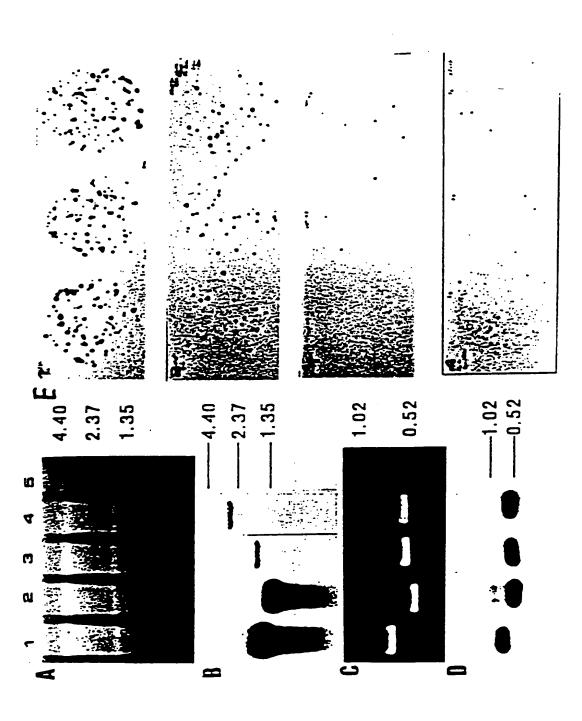


Fig. 4

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probe No.	1	2	3	4
gene	Elongation factor	al-anditypsin	HnRNP care protein A1	Inter-co-crypsin inhibitor
(a) Band intensity of Northern blot(cpm)	687	423	10	15
(o)Band intensity of control blot(cpm)	133	177	100	127
(c)Normalized signal(a)/(b)x10	52	24	1	1.2
(d)Positive signals on colony blot	307	119	7	9
(e)Relative	4.4	17	1	1.3



Fig. 5

arance	frequencies of	cies of various cDNAs in the 3'-directed HepG2	rected NepG	2 cDNA' library	ary
Group	Clone	Gene	A in 902 (%)	B. "in 0,800 (%)"	C "in 26,400 (%)"
-	a15 Elonga c321 Translation lb030 a-1-an hm01b02 Light c13a04 NADP(II hm02d02 Ribosol lb042 Human I	a15 Elongation factor - 1Aa c321 Translationally restricted tumor protein tb038 a-1-antitrypsin hm01b02 Light chain of ferritin c13a04 NADP(II) Menadione oxidoreductase hm02d02 Ribosomal protein S11 tb042 Human RNP core protein A1	22 (2.2) 12 (1.2) 6 (0.6) 6 (0.6) 4 (0.4) 3 (0.3) 2 (0.2)	307 (3.5) 89 (1.0) 119 (1.4) 62 (0.7) 27 (0.3) 29 (0.3) 7 (0.1)	ZZZZZZ
_	\$155 \$159 \$639 \$635 \$170 \$154 \$167 \$645 \$645	unknown unknown unknown unknown unknown unknown unknown unknown unknown		22-0000000	5 (0.02) 4 (0.02) 3 (0.01) 2 (0.01) 1 (0.004) 1 (0.004) 0 (<0.004) 0 (<0.004)

Fig. 6

			Sequence	Sequences of primers							1
53	T.	Chromosonal position	Sense	Antisense	, 7	9	=	91	5	c	_
\$16,000,18	pm2166	_	CAGAGCCCCAGTACAACTAT	AACHTEATECTEC					3	,	-
9×00102è	Pm2444		WISCOSTAL CONTRACTOR	אים וויין ומין ומין ומין וראים	=	Ĭ	=	ž	2	-	~
5(010)3	CANDRAT	• •	און התפערעתו וערערו ומע	CCAUCHICCHIGACHIGAGA	=	=	5	\$ 200	300	-	-
05(00)(04)		-	I COACIGIGGA I ACCTATET	ACAAGTACCCCTGAATGGCT	\$	121	121	9	9	•	•
1010310	7//111	-	GICACTCTCAGCCATAGCAC	ACCATCTTCAGCCCACACTT	З	3	ĕ	9	\$ 200	ø	•
\$5000 E	/trowd	-	GCCCTAACACGAGGAACTC	TANTITCCCACTCCCGTAAC	5	=	9	> 200	200	-	
at I mis	Pun 1371	_	GGGTTTCAATAGGGTGTAGACC	GCCCAATCTGTCAAACTG	9	56	50		9	-	
18110918	prn0609	-	TIGCTGGATTGTAACTITTG	GGCTGAACATTCACTCTTG	7	2	; ;	:	2	• •	
8001200	1SCIMQ	_	TAMBAAGACCTTATGGAGACC	AATAATCITGGITAGICACITAC	: 3	a	: 8		3.		-
91:0013:16	5960ud	_	TCAGGTCTGCTTGGAGGATG	AACICACAGCACAGTATITIC	; ;		3 3	. }	. ;	-	-
91110018	pm1518	_	AAGGTGTACAGGATATTTGCAGA	TGCAATAGCCCAATCTCATT	; :	2 :	771			-	-
9,001464	pm1 +30	_	CCAAAGACCTCCGTTGAACA	Titologication	; ;	3	<u>c</u> :	77.	Š	-	-
83001468	pm0427	_	TACTCAGTGGAAAGATAAAC	CAGIGGACCACAITTCTTCA	;	3 8	3 3	007.4		-	-
12510218	Pm2785		CCCAAATCTTAAATC	VII STUDIO CONTRA STUDIO CONTR	\$	2	3			~	~
3,001554	1000000		niwylialiwwaisaa	I I WAA LAWAGACA I GAAGI I	\$	102.175	9	* 200	\$ 200	-	-
3,001522	3000		רבאת אפעון וכאאנינינען וכ	GGTACAAAGTGCAAA1GACT	9	3	3	2	155	-	-
300000	שוניסס	-	CCAACATGGTCCTAGCACTG	AAACFITATIGCAGGITCIT	÷	ş	53	, 200	, 200	•	•
0210015	Pm1356	~	CATGATACTÇTTCGGTGGTA	AAACAGTAGITGCCAGCATT	9	ě	103			-	-
91001009	pm1730	~	AGGCTGAATGTGGCATGCT	CCCGITATIGCIACAIGICI	\$	61	611	6	511		
14010018	1C60md	~	AAGCAATACAMATACCAA	TICANTATGTITAACCAGIA	9	8	93		:		
30:33	Pm0925	2	TAAIGTÁCCACGATGAATAG	TAATGTAATAATGCAGGTAA	\$	90	2				• •
61210018	pm2010	~	CCAGATGGAAAGGGAAGTCT	CTGGAATATGGAGAATCAAACAG	;	Š	3	. 5	. 6		
\$500155	\$160mg	2	TCGAGTITIGTCTCTANTA	GGAATAATGGCTTCAGTTG	: ;	: 3	: 3	2		- .	
97210715	pm2093	~	AGTCCTTCTTGGCTCCTCAT	TATCGTCAGTGCCTTTATTG	; 3	3	3	٠ ج	•	- .	- .
81001438	pm2435	~	TTITGTACCTACGTAGAGTACTT	ATCCGTGCCACATAGTGA	: :	: 5	: 5	3	•	•	- '
\$1001B	Pen1671	~	TATTAGGGAGICATIATICIGIG	AGYICCCATICITCCACATG	: 3	3	3	. 8			• :
3100143	pn1245	~	TIGCTITCCCGJCTCTAAGT	ATGTACAATFTGCGTATGTAGG	=	: ≈	: :	2	į		٠.
\$6510018	prn1246	~	ATCTACTGTTGTTGAAGTG	ACTGATITIGGTCCCATCTG	7	69	3			-	• -
\$1000018	pring + 18	-	CGAACATTCACCTCTCATA	ATGATITATTIAGGCAGGAA	\$	19	5				- 4
10010016	Pm1758	•	TCIGGCICITIGGIGIIGGA	GGCCCACTGAGTACAATGTC	- 5	1	3				
\$100151 8	pm2434	•	AAAGAAAGCACACTGCCTAA	ATGTATAGACAATCCAAAG	; ;	8	8		•		
81710018	pui0668	•	GTAGTCTCCTGCCCTTTAGC	AAGGATTTGATTTTCTACAT	: 3	:	2 2				
22:09:8	Pm1729	•	GGTCCTGTTATTTGACAT	AAACAAGAGGATGGTTCAGA	: 7	: :	: :	;	. 8		•
\$1001306	Pm1822	•	GATCCTFGGTGTAGTTCAGTC	CIGCAMIACAGGGAAICAI	9	: 2	: 3	3	3 -		- -
g:001418	pun2209	•	ACCCAGICCCAAAICCAGI	ACACTCCCCAGCCCTTACT	: 5	ğ	Š	3 3	2 6	• .	
5601166	pm2455	•	ATCIAGCIGGCIGTAGTATT	TAAAGAGATGAATTTATTGGT	; ;	: 5	1	1	3 3		-
11500018	pm1252	-	GTCCTTGCTATCTGTGTTA	AAGCATTTATTTGAGGTITA	: =	3	3	3			
)	,	-	•

Fig. 7

81000118	pm2256	•									
91001052	part 15t	• •	GTGCTTGGGTAT	СПСАСТПТАПСАВАВСА	~	29	29	\$ 200	69	_	~
91001315	980md	• •	מותרבעותרערותו ומו נעו	GICATATATICCATCATCAA	=	3	3			_	_
81001398	0012367	, .	AUAAAHIAATAGCATAGGT	TAGAGTCAAAGTIGCCTGTG	\$	001	9	130		_	
0,000993	700000	• •	AICAAAGTTTAATTGCITCA	CATCCCATCACATACAAGTC	\$	911	9	900	084		
\$65000 1B	P. 1809	<i>.</i> .	TCTCGTGAAGAGCAGAA	TCTAAAGGAAGAACAGCATC	Ş	9	2	=	2 2		- -
\$ 90100:18	91C0mg	n 4	ANGCATGCCTTATCCACAG	CTAMGAGCITGAACCCITCAT	S	ê	` ≈	902	300		
10110018	pun2364		TACCAGATAATTTACAGT	GAGACATAAGCAGGTAAGAT	7	23	25			_	
19110018	991.106	, ,	HACCITACCATCTTAC	AGACAATATCCCAAAAAGC	\$	9	3	8	200	. .	
810000183	prn2/20		ALLICITACIA	AGAAATGGATGCTTTATTC	\$	9	S	200	200	-	
91001326	P. 1154	• •	ANIGICALAGICICCITTCA	IGCATCCTTCAATGTCTTCT	=	=	8	72	900	٠,	
91001434	pm1316	•	CATTGAGACAGCAACAG	CCTGGCCCTCCTGAGTA	3	102	9	2	902		, .
91001457	omi)#S		TAGGCAAACACGAGAAGAG	AAGGAGC1GG1GTCAGGTTC	=	9	9	9	200		
91001523	Oct.0285		IATAIGCAAATATTCCAAAGTCTG	TCTATATICTGGTCCCTTATCT	9	90,300	8	200	200		· .
\$2510018	pan0128	•	HGTAACGTGTGTCGTCAGT	TTAMAATGTCATGGTAAT	≎	99	2	200	90		
91001567	pm3619	، م	GCACCTAAGCCTCCCAAAGT	TITATATCAGTCCAAGAGC	\$	130	R	200	200		
0,050624		•	TCTGCATTGACAAGGACCAC	TITGAGATITEATGAGECAFFC	\$. 63	Ş	6			
97(0)1178	i control	~	GACCTGAAGTGTGAATGAGT	AACTTAGCITTATGGGAITFT	\$	5 1	: =		;		
01/01/60	i proper	~	AGCCAACTCGGGGTCATCT	CCACGGGACAGGIGAGICAT	9	9	3		. ;		•
60,100	8120md	~	AATCATTTGGCGAGACTGTA	AAGAGAGTITATCCAGACA	3	3 :	2 :	2 9	700	-	•
Section 8	Pm1:02	~	TCAGGCAGTCTGCTCAGATA	TIGGAGGITAATCIGTTTA	: :	2 2	2 .	3 3		-	_
(A)	pn:0956	•	AACAGIATIGCGITGTCAGACTAG		; ;	: ;	٤ ;	2	. ;	-	_
9/11/9	pun252)	0	TIGCCICIANGGIGICIAC	_	; ;	5	= ·	501	2	_	_
9101318	pm2708	9	TGTALTGGALTTGGATTCTC		# :	3 :	3	=	9	_	_
61000260	\$060mg	60	TIGGGATCAAACACATACA	CHECKERSTON	=	ä	£		9	_	_
8:07:02:8	pm0859	6	TAAAGAATCACCTCATC	בויותופארוויותנייוונוני	=	S	\$5			_	_
65116318	pund \$43	9	AAGTATTOTOTAAAAAAA	CACAIGCHAITGGAACACT	Ŧ	Ξ.	z	2	2	_	_
61001264	pu/545	. 9	VIDIVITY AND INCOME.	ANGAMACACIGCCITGIGG	Ş	90.	1.35	, 200	200	~	-
\$15,000,128	On 2664	: :	TOTAL PROPERTY OF THE PROPERTY	GCAATCGYTTCCATATCAGT	\$	100	3	200	200	_	-
851169	orn0880	: :	AILMAACAAACAAICCAGA	ACTATAATATACTGCCAACT	~	Ξ	~	č	Ş	~	~
\$1001315	511 Dura	= =	LAAIAGE I IGGAGATTICAC	GGAGAATCATACCTTCAGCA	9	901	3	3	98	-	
91001352	pa12943	: :	AAAU UACCI IGAI GGACAGI GGA		3	(5)	3	, 200	991	_	. ~
8910016	95000	: :	AGGGGAAGGGTATTFTACG	CACATCATGGTTGAGAGCTA	7	3	5.			. ~	
0,601570	23810	· = :	AACCCTCTAGTAAGGCATTG	TATTANACCAAATCCAGTA	?	7	•	125	Ş		
01000239	21000	= :	CIGTAAAGGTTTTTGGAATTATGT	TITCATITTICIACCAGATITAIT	7	75 02	: ×	1	. 00		
	007000	~	AGTGTATGGAAGACCTTGAG	GTICATIGAAACGGIGIAGC	¥		: 5		3	•	,
talibar.	pm2756	2	TCTCCCTATTCACAACGAGT	ANTGATHEGTAGGATAGGA	2 9	3 9	3 3	3	002 4	_	~
66160	Pari 193	2	CACAGCATAAAGAATCATA	ACCCIAAITIAGINGTOS	2 :	9	20	200	2	_	~
\$121004	pm2790	13	CATCATGGTACAGTCAGAAG	CACTORINATION	e	3	2			_	_
10015	pm1355	2	AGATGICAGTATCCTCATCC	CAUTHUCAAAIGIATIG	\$	E)	29	63	6	_	_
11001308	pur0168	2	CCAAAGIGCIAGGGITACAG	UALAACAGCAGCACCAC	7	7	6	200	\$ 200	_	_
£310001t	pn12645	: 2	CTAAGATITAATGCGATGC	HCANAGACCTIGGGTTAC	~	95,165	55	> 200	, 200	_	_
	•		בושמטון ושעותרמעו ורר	AGITAGIGIATGGCAGAGGA	9	3	9	200		_	~

	Pm1659	=									
1001290	IC(Imd	2 2	I INTARCCIATCAGAGTCA	AGACAGACTTATGCCATCTA	=	109,200	601	200	8	_	_
29(1001	pugi 10	2 2		GCAGTTAATCATGGCTATTCTCC	3	133	133	200	90	_	_
1601366	pm0364	: :	TOTAL PROPERTY OF THE PROPERTY	TACAFTACATGACATTGTGA	2	5	3	85	101	_	
1001389	Pin 2301	2 9	I WELL TAGET TICCCTEA	GAGCATTICIGTIGITCCTA	Ş	(9	(9				
2691001	115000	2 :	CATGAACCTGCTCACGACAA	GCCITACITIAATGCIGACC	š	3	8	200			
1901361	1770000	2 ;	AAATGAATGTAAATAGCACT	AFITAGTITACAGGGAGAAT	=	: 2	! :				- .
1001561	2012.10.2	: :	GITTAAGTITTGATTTGGG	CATTCCACTCTTACATTTCT.	: =	: :	: =		: §		
	90,00	: :	CGTICCTAAACTCTGAAATC	AATGCTCATTAITCTCAAG	~	: 5	: 3	8	2 5	•	
6001339	962230	Z ;	ATCACAATTACCTTTAGTTG	ACGATACTITATIGGAGAT	2	69	: 5	3	30.		. .
000000	380000	2	Teccatecteagtigagt	TGAGAACAAAGGAACCAGT	3	: \$: 5	. \$. §		_
1001242	Cocana	9	TTGGAATGGAACCCTTGCTA	ACITATGCIGCCIGAAATGG	; \$	2 2	2 5	3 3	3 ;		
915100	/21 Turk	9	CCCTTGTTTTACATGTTCA	TATTAAATICICCCATTCAT	? :	2 3	2 3	9 3	2 3	~	~
9951001	December 1	9	ACAGTGCTAAATCAAAGGTG	TCTGACACTCAAGGTGCAAT	; ;	<u> </u>	<u> </u>	3 8	~	~	~
909000	r i konud	9	TTGTGTCGGACTATGTAAT	TCACTITIANTGGGAACCAG	; =	2 3	3	3 5			
310100	/sums	<u>.</u>	CTCTCCATGITCTCTACAAG	TAGAAGGAGAATCTGTGGTT	; ;	: =	; ;		3 6		
9511001	Borond	=	ATATTCACCTTCCCATCCAT	TCAMTACGTCCTCTCAGG	3	. 08	: =	2 8	3 8	• .	٠.
	2 Pared	=	CAGAAATTAAGTGCAGCAAT	TCGTATCTGCATCFITAAGT	*	3	3 9	3 6	3 5		-
	6m2117	=	AAAATCITGTGGTfAITTCC	GIGALICIACIGIACATIGG	; ;	3 3	3 :	3	90%	~	~
in in it	pm1678	2	TAMITTGEGAMICECITGGA	ACACATITGGGGTTAAC	: :		<u> </u>	Î	9	-	_
5000	pii0511	2	TGIGACAGCAGCTICAT	TOTACATOTACTOCOCO	÷ :	2	2	95	3	-	_
95(100)	8050mg	=	CATCICACAGACAAGG	TO TO TO TO THE TOTAL OF THE TO	\$	128	52		-	-	_
1001185	pm2212	: 2	TOTAL CONTRACTOR OF THE	ACCTARGAGICCAGAGAAC	7	8	3	69	\$ 200	_	_
1001522	D/110642	: 5	CONTRACTOR OF THE CONTRACTOR O	GAACATACCACGITTATFICT	97	8	â	9	200	_	
601034	Sun 1416	: !	GICHICAGCAGATTICAGGT	ACTITCTTCTTGAGGACACA	ţ	79	9	160		-	
2018	90000	2 :	IGIGITCTCCAGCTTGTAG	GITACATIGCCTIGGTACAG	9	9	9	> 200	200		
791100	- CO.	<u>*</u> :	GGATCAGACCAACAGTGCTG	GCAGGIAIAAACAGATIA	9	3	3				
690100		2 :	GAAGCCACCCTGCACCTCA	GGAGAGTAFIGGGGAACGGT	3	G	3	200			
00100	6,01md	2 :	GCCATGCTTGTAAAGTGATGT	TAMGAAGCCATTAGCTAGGATA	2	97	9				
690100		2 :	GCCCITAGGATTCACTGCTC	ACCACCCA4GGTCT1TCAGG	\$2	99		9	. 50		
621100	21000	2	TGCTGGATGACTFCTACACG	ICCCIAICAIGGCIGCIGIT	Ģ	9		311 65	3		
((1)00		2	CIGCICGGCTAGICIGACIC	CAMIGGICIMGAGGACAT	3	3			, ,		. .
851100) taged	2 :	TCTGAATGATGAAACA	ATCCTAGICCCAACCCAGIA	3	501	3	3	3		
001210		2	GGAGCCACATGGATTGATTG	AAATGTACCCCTGGCACCTC	25	721	1 3	our.	. 6	-	_
	Sul 23	2	AGCCATCIGGTTAIGTCTTA	GGAGCAGAA1GAAACTICAC	; ;	.			3	-	_
// /	Pul 701	ዴ	TCCATGGTGTTAGAAGCCAG	CCACATCICCAACAGGGAGT	: :	3 3	3	90,	ž.	_	_
560100	pm2101	7	GTCAGCTCAATGCTACACAG	THE ATACTOR AND ATACACAC	. :	?	142	200	Z	-	_
2113	pn:0618	2	CTICTGCTATAAAGTAGAG	TOVER TO THE WORLD TO THE TOTAL THE TOTAL TO THE TOTAL TOTAL TO THE TO	\$	2	20	99	200	_	~
\$1.600D	. 2160ng	23	GGTGTAGGAAAGGAAAG	ACAN I GGI I CACI AAA I GA	â	20	20	S+1	\$ 200	_	_
111103	1160mg	: 2	COTOTOTOTOTO	AGHGCACCATCTCCTGTC	9	134	121	, 200 ,	200	-	_
(610)	pm2231	: 2	Totocrocytrocytorio	AGAAAGCCCCAAAGTAGTCC	7	65,80	9	· 00	125	_	٠ ~
871100	pm2328	; ;	Trongeration	AAGCAGGTTGAGTTGGGGTTTTCT	3	š	ă	79	501	~	
	i i i	:	IACAGCCCICCCAGCIAAAC	TTIATTGEGALCCACTACAA	.5	59	65	3	9		,

66600015	0.00 j. 0.00	,		=							:
67 (100) 0		< ∶	CIGCCATAGITACCTGGATT	TCACCCACCACTATTTAGCA	=	9	<u>.</u>			_	_
, , , , ,		*	GGAGGGAGATATAGATTGT	AAAAAATCCAGAGACIGA	9	70	30	116	9	_	
	P110508	×	TICTATAGIGIGACCAGIT	GGAGGATTGAGATACACAT	: =	! ;	: ;	2	<u>:</u> ;		
91001109	Pm 1294	×	TAATGCCAGTGAATGTTGCGTAA		;	3	6	3	=	_	_
810016	Pn2289	97	ATCTGTGAATACATGG	GEOGRAPHIAICEIIGEAIGAGA	=	~	~	, 200	2	~	_
91071179	Pind 13	V (1 5 1 5 1	Pialyawianiania	GODGAGALAICACAIGAC	9	2	2	99	2	_	_
10110013	0,000	7,0,10,10,1	מען ררמען מניפעם ופן אאען	AAFACAAAGCTAAACCACAA	ŧ	69	69	20		-	_
0,000,00		X, 11, 91, 121, 18, 12, 11	TIGGAATIGACATTCTCTAT	TITAITGIACAAGCAACI	Ç	00.1	<u>.</u>	3	20	~	~
01100010		1,2,6,X	TATCAAGCTGAAAATGTCAC	Tracigaaiccagccaacca	÷	S	6)	011		_	
3,000	an ten	1,1,4,5,8,16	TCCAAATGAAGAAGGTGTTA	AGITGACAGCCAGGTGAATG	\$	96	96	8	9	_	
2000.5	pan sei	2.20.21.22		TITITATIGNIGCICCAAGI	2	9	9	0,1	150		
10000	58/2md	2,4,5,10,12,15,17,20,22,Y	_	TATATGGITGITACACTCG	Ç	3	19		١.	. ~	
61100	C agua	2,5,14,6	GCCTTGTFATTCACCACTC	ATCICCCTITGCICCAGITA	9	95	82	200	•		
26 Linus	pm1453	2,0,12	TCTGAGGACATTCCAAGACAG	CAGTCAMACCMCACGGTAT	Ş	56	50	16	, 9		
r izmost	6 Jud	2,9,13,17,X	TGCAATAAAGGGAAAGACCA	CCGTTGTAGGTGATG	5	. *	9	. 5			
Ricomet	pm0985	×. 02	GYCATTTGTATGCAATTTCC	ACATENTATIFICAACG	7	: 5	: 4				
501000	Pario 45	3,10,15	CATGTACTCAGAGGCACTTC	GCAACTACAAATCCCAAACT	3	: 3	: 3	900	. 9		
1/00000	prn2651	3,4.M	CAGGGACTGGAGGAAAG	GATTIMECCATTAGGAAGC	3	<u> </u>	1				
5.000 to	pn2632	3,6	Tragammatatggttagacag	ATAGIAFIGGGTFGACACAGIA	3	•	: a		3 5		•
16(10)18	Part 133	9,6	TGGATITGCTITACCTTGTT	ACACCCICAGGAGATGTTAC	; ;	3 3	3 3	30	3 9		
6100018	2,25mg	3,9,10,15	GCACIACAAGCCAAAICAGA	CLICTIAACACCAACAGCAG	; ;	5 3	3 3	s 8	3 3		
\$1000001	p110626	9.	GGATTICIATTIGCTGICAL	GITTATTGIACGGCATGCAC	: ;	3 3	5 5		<u>c</u> ;		2
21210015	Pm1234	6.20	GCATTAAACAGGAAACAATA	CTGTCGATGTGGGGATAAACC	: :	<u> </u>	3 9	2	7.500	~	-
\$1610019	pm0606	91,7	AGAIGCIAACATTAGGGATA	Tritagacatacacaca	; ;	2 ;	2 :	e i	è	_	_
1111315	om (25)		Clarify Charles and Control of Co	וויים אין אריים	7	=	5	201		_	_
9,0001357	\$110	3.6	CCAGACIACAGOCIGAIGGG	CCCITACCCCAGCAACTCTT	3	75 130	3.5	\$ 200	, 200	-	_
C1001261	***************************************		ACCANIGITACIOCITCIAAATA	CCCATAATAAGTGAAGAGGTAGYIC	=	125,155	131	1.25	200	-	_
757	200	22'51'01	AAGAATIGITTACTGGATT	Tratcigachiggaggaaat	7	201	9			_	_
C. 000 to	2000	22.61.01	ACTACCCTGAGATAITAGTI	TICATTIATTIGATTAGTIGA	#	3	901	2		_	_
Pierre California	pn 2103	7	ATACCACITCCGCTGTCACG	GAGGAGCGTCTACTGGTCTT	3	22	Z	12	200	~	2
	pro2043	12,19	GCACCAAGAAGCAGTICCAG	TGGGAATGAGAAAATAACT	9	3	63	5		_	~
(minoris	C (2 mg	12.N	GATCTCAGT[CTGCGTT[A1T	TACATACAAAGATGCAAACAGT	=	3	60	79	89	_	_
1810018	Pm27.25	13,16	Alteltatatactrice	GICICICITCIGAIGGCIGA	9	79	3	50	180		
9/Romit	pm2780	91'10	AACCIGNITACCGCATCIT	AGGITATITGTCCACCAGAA	9	9	6	> 200	200		
81001438	Pm1683	17,20,0	TGFIGGTICACCATIGAGAC	AGAACAACATCAAAGATGC	9	3	3	90,	g		
6619315	pm1748	17,22,Y	GAATGTCATCCAAGACGTAG	CTAGTTATATCCTGGCTCTG	=	. a	: 4	200	;		
91000018	pm0964	1),C	TITATCCCAGCAAGCACAAC	TCTTCCTCTTCACTCTCCTC	=	5 2		000	3 5		- :
9901369	Pu12217	3'(1	ACTIANAGIAGCITTGTACG	TGCCTCCTGGTCTGATATA	: ;	:	2 2		2 3	•	=
91001610	pin 1213	18,0	CCCCAGTTAAAGATTATTGT	AGTGACGATGGAAGGATGTA	; ;	3 4	.	700	ទ	-	_
91001217	pn1110	19 20	TGCAGAGTGATITICCAGAG	VIDIVDRUGATION TO COLOR	*	¥ .	š		26	_	_
800100318	pm2824	19.22	ATCCTGTGTCTATTCACAC	CONTRACTOR OF THE PROPERTY OF	2	2	72	3	65	-	_
201133	pri0887	19.22	CCTGCATCTGTGTGTGT	acted Hacteacticae	ş	9	9	95	921	~	~
		#		AACCICIGGAACAAAICAI	2	5	69	160	9	_	_

\$0105	Poi:2049	د									
8100013	DIN1753	, :	AGGACACACACCAGCTAT	TITCTGATTATGACATGAC	Ş	~	35	101	<u>.</u>	-	
9001030	AL CEMPO	£ :	AICHCHIGTAGCCATCCTG	GTIANAGIOCIGAIGCCATT	~	24,100	9		200		
991186	9090	z :	GTAGAGCTGCATTGACTACC	ACAGACAAGGAATAATCATA	7						
		Z	GICCACAGICCAGCCIAAC	GCCACATATAGAATCCATC	: :				•	-	
Stantas.	Pen2354	Z	TGICHTGTGGACTCTGCCT	Titorogramme	2	z			200	-	
Remois	pm2492	N,C	GCTAGAAGAAGAAGAAGA	I I I MACAUTCAATAAATACATGIT	\$	2	2	01	901	-	
25,000:25	Pm2766	217	ACALACTO CONTRACTOR	CHACTCGATAGCCAGGTC	9	3.5	75	75	75	-	
9,000245	O(11)04		TOUR TOUR THE PART ICAG	AFGGTFATTTFFF	Ŧ	3	e Ca	20	2		
\$1000303	0.112).A	ָ בּ	ICCACCCAGAGGACACT	AAITCATAGOGAAIAGGITC	2	75 130	75		: =	·	
0,000543	1030	2	TCGAGAAGGACAAAATCACC	GAACAGGGTTAGTCCATTCG		. 5	! 5	: :	: :	3	
0,00%	Spoint !	M,C	CATGAGGCTACGGAAACAGG	AGGAGTCCGTGGGTCTTGAG	: 5	? 2			• :	- :	
, (00)	pm1442	N.C	AAAGCATCITGAGAGGAACA	GGAGGACTCGC1TGG1CTTA	; ;				=	2	
or /man	Pul 152	A,C	GCAGCAGATACCTITACACC	TGGTTCATTTCACTTC	= ₽ ;	3			2	a	
\$ 6600016	pmQ268	N,C	GAAGCICITGIGAGGAAAGT	211221100110211021	<u>.</u>				201	2	
910010016	pm2703	H,C	ACGATATTGATAGTG	בערער בייני בייני בייני	÷	2		70	2	.	
91001133	Pm1144	Mic	AGATOAOTOTOTOTOTO	CAMACIIIMIAIGE	‡	3	6	5 is	- 26	-	
62110916	14112250		ACACCAC COLOR INCOME CALCACT	CCATTCCTGTCATTCCAGTT	25	501	27.0	135	551	-	
4,001167	y y	2 :	ACTUMINATION AND TACA	CCACACAGTGAGCACCGTCT	\$	55	55	55	\$\$	-	
31(2)(2)	2000	3,5	GAGAGCCCTGCATCCTTA	CTICCCTITIGATCTTICTGT	2	901		_			
	5017416	M,C	TAGTCAGAGATTCAGTAAGT	ACATGTAILITGATAGICIT	: 3				3 :	-	
151101	pm1240	Z,	AACTGGTTCCATCAAGACTG	AGTGAATAAAGTCTCCACTCC	: =					~	
1971705	IC:Imd	MıC	ACTIANANCCCACCAGCAT	ACACAGCAGTCAAATAGAA	3 9		_	_	2	-	
\$101318	p1110952	Mic	AAGAGGAGTTTGGGTGA	ATCATORCAGAGAGG	> ;	à			ā	-	
9,001356	pm2216	E,C	ATCTGCATGACCTATAATCT	AUDANAI CACACACACACACACACACACACACACACACACACAC	-			50	3	-	
9:00:411	Pr10958	Mic	ATGGGTTATCAGGGGTT	Callellianidacal	÷	201	108	101	901	-	
9,001,00	pm2626	. J		GAGACCAAAGGCACITCITA	7	3		99	9	-	
29710015	011210	2 0	ACALIGAGICAGICAGICA	GGACATITCTAGCCCACAGC	3	75,55	15	1 51	~	~	
30112	901000	2 0	HUHGACATICCITITAGAA	CAGTGCCTCTGTACTGAGACA	5	\$8	95	95	3	~	
0,000164	270730	٠ - ت	CCCACAGAGACATCATCCT	TCTTAGTAGGTGCTCTGGTG	2	20	90	90	•	-	
05,000,00	10000	ואס מאסטרבו	CACCAGITAGCGTGAAAGT	GAMTMICCITGICAICIA	\$	3	a 2				
0,03004)	tor out	No product	CITTGGGATAITTICITCAT	CCCTCGGGTACTTTCTATG	\$	9	9	63		• •	
36.69.3		No product	AGCCAGCCTCTTTATATATA	CTGGATTIGATITICALITAG	3	. 2			. :	•	
Propries	Pun 1673	No product	TGTGGTATGAAAATATCTGA	TYATGAATGAAGACAACA	: ;	3		. ;	·	-	
cor inco	pm2904	Ho product	CAGTAGTGTGCTTTGAAATG	Tifatglgaaatgroom	; ;	2 :		3	3	<u>-</u>	
CCOMS	19C0md	Ho product	TACAGCGCTTCTAAAGTC	117GAGGATCAAGGAAATCT	; ;	2 8	7 :	-	3	-	
9301008	pm0849	No product	TACATTCITCAGACTCATCO	Tiffeattacticater	2	ž			200	<u>-</u>	
17510015	pm1284	1 to product	ATCAGAGCTCAGTTCCTAG	THE CONTRACT OF THE CONTRACT O	ç	99	99	500	8	-	
ودةالانو	Jun 1606	Ho product	GATCHIGAGCCTTAACTGGA	Williachici IncAlgaic	Į	S	9 /5	. 6	79	~	
91001610	pri10852	Noveke	CATCIOCITICALO	THE CAUCHTAINE	\$	ž	3			-	
			בעובובוווהרוווורערע	HINIMCANGACACCATAC	ž	\$	45	•		-	

Fig. 11

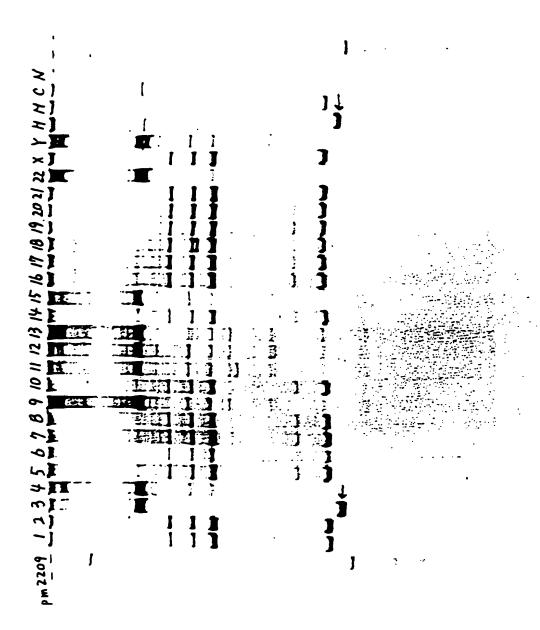


Fig. 12

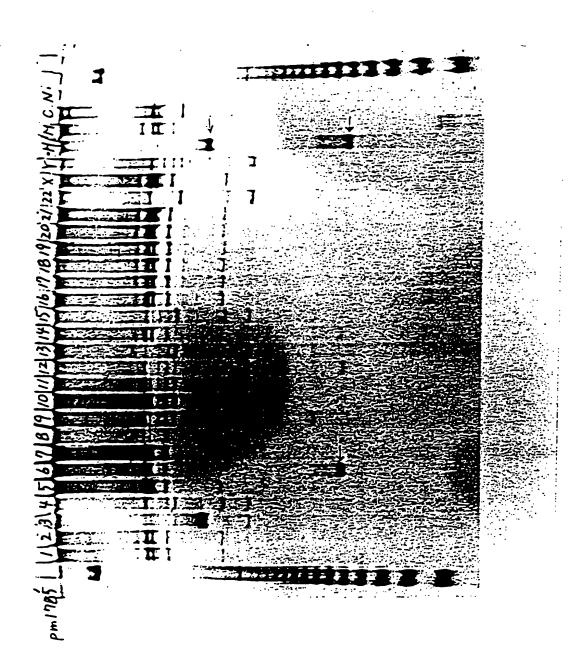


Fig. 13

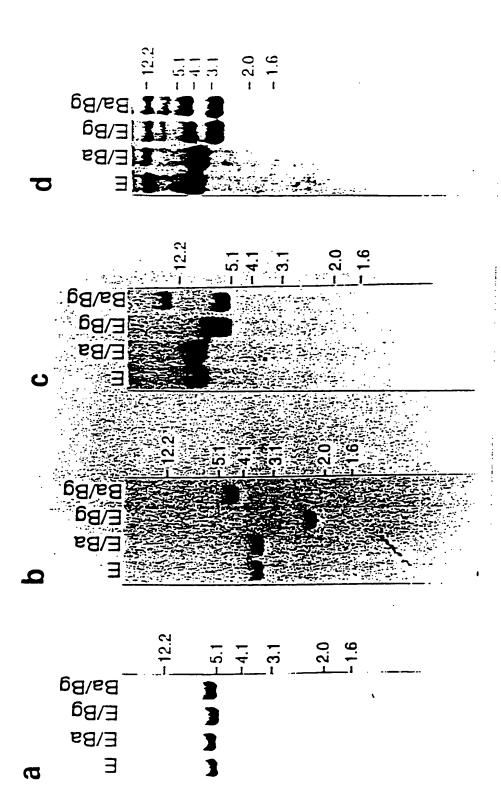
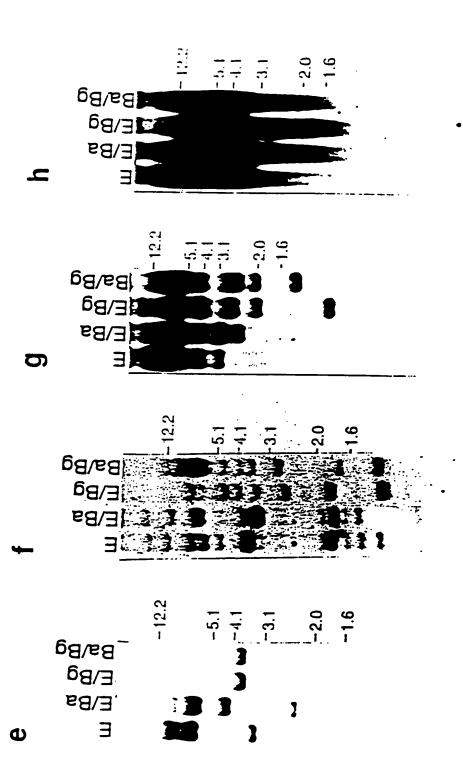
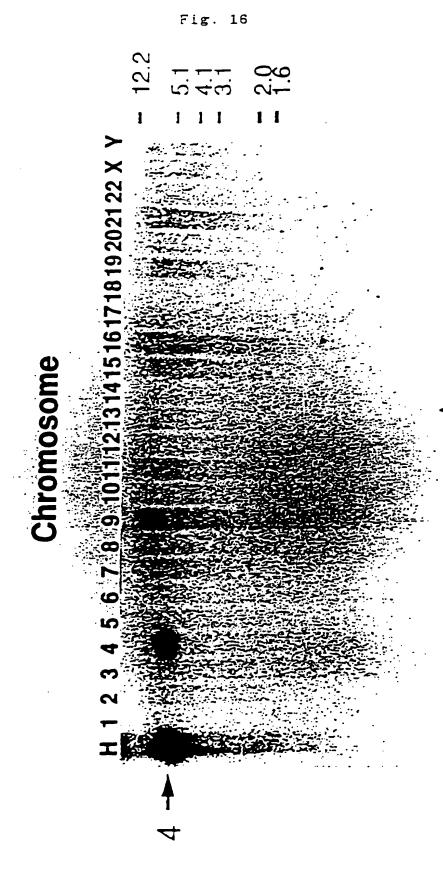


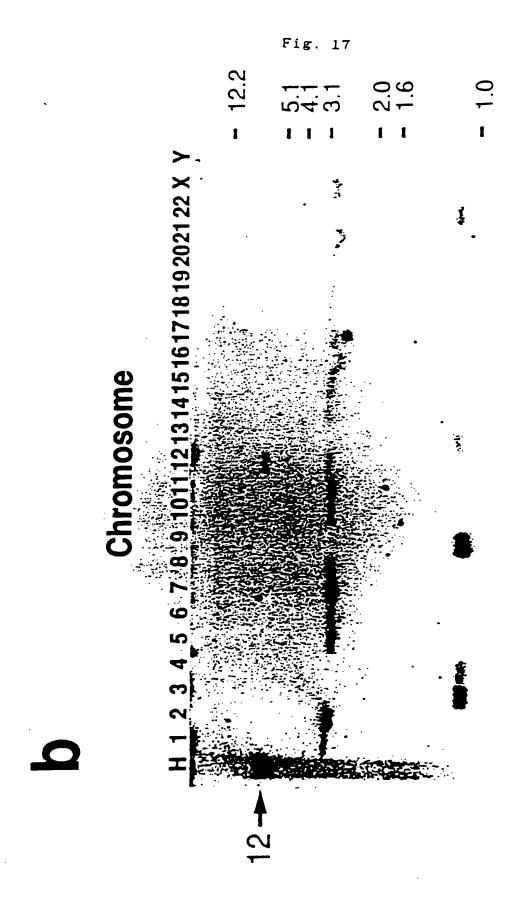
Fig. 14

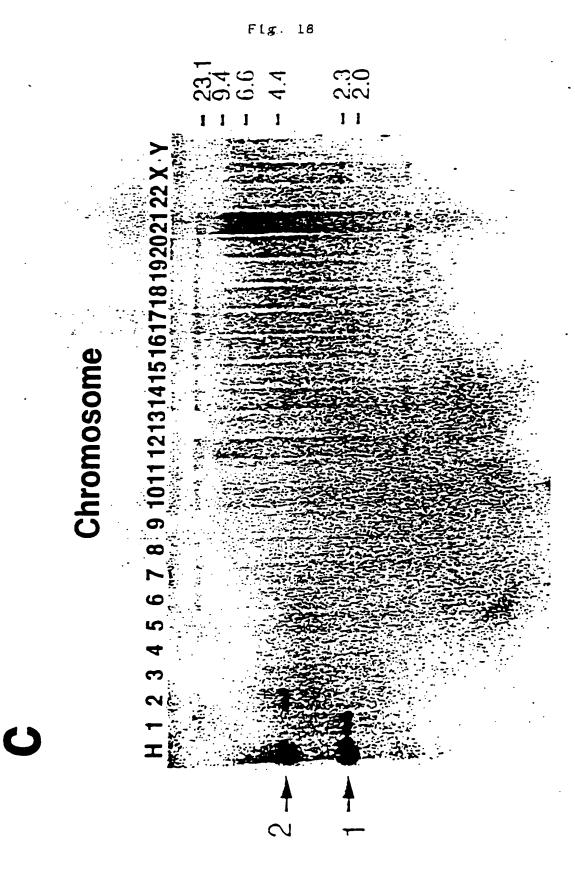


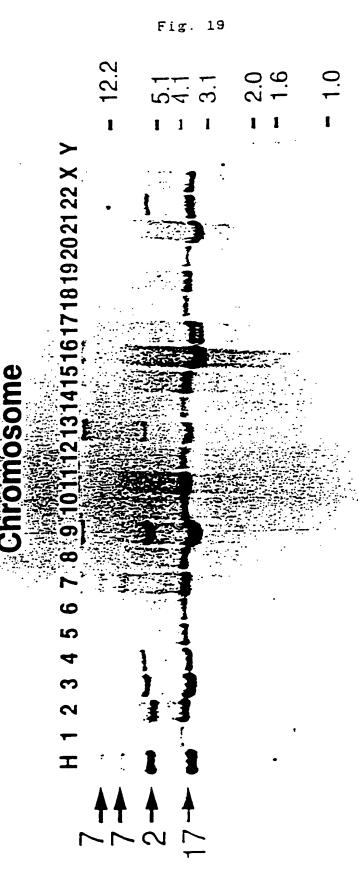
Hybrid cells used for Southern hybridization

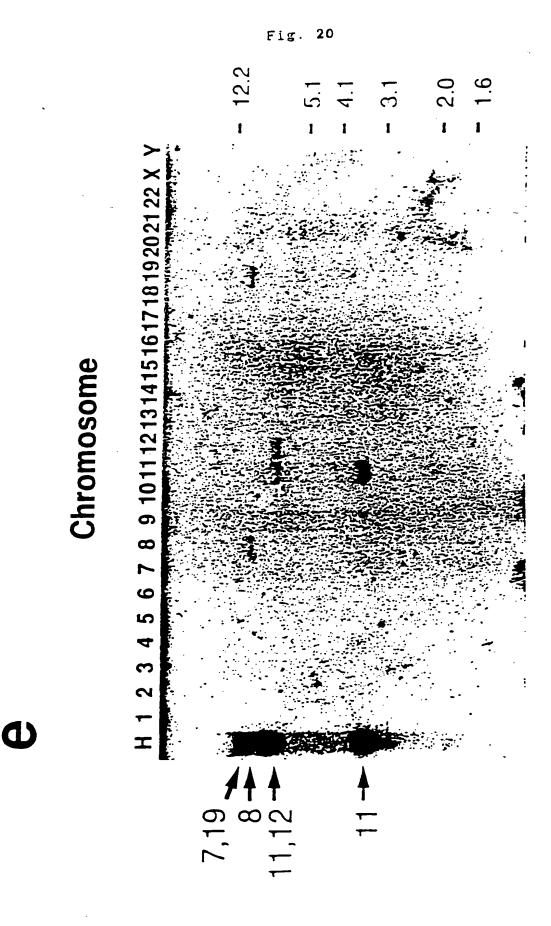
_	uman comosome	Parent No.	Intact cell chromosome (%)	Translocated chromosome (%);
A9(neo-1)-4	1	A 9	100 (0)	0
A9(neo-2)-1		A 9	93 (8)	0
GM10253	3	CHO	[00 (0)	C
GM10115	4	CHO	100 (0)	0
A9(neo-5)-4	5	. <u>A</u> 9	40 (0)	90
A9(neo-6)-3	6	A 9	100 (60)	0
A9(meo-7)-2	7	A 9	100 (89)	0
A9(neo-8)-1	8	<u> </u>	9! (82)	0
GM10611	9	CHO	79 (5)	1.1
A9(neo-10)-	3 10	A 9	94 (6)	75
A9(neo-11)-	1 11	A 9	24 (0)	76
GM10927A "	1 !-	CHO	96 (21)	र्ष
A9(neo-12)-	4 ! 2	A 9	0 (0)	100
GM10868 *	12	CHO	82 (6)	0
GM10898	13	CHO	82 (0)	! 0
GM 10479	[4	3 T6	76 (29)	6
A9(neo-15)-	2 15	A 9	9 (0)	78
GM1!418 "	15	CHO	62 (0)	100
GM10567	16	A 9	69 (0)	0 .
GM 10496	17	LTMK	80 (10)	0
A9(neo-18)-	5 18	A 9	100 (66)	0
A9(neo-19)-	1 19	A 9	92 (23)	8
A9(neo-20)-3	•	A 9	8 L (5)	ι7
GM08854	2!	A 9	31 (24)	0
GM10027	22	CHO	93 (0)	100
GM 10324	χ	A 9	61 (10)	0
GM06317	Y	CHWIII	03 91 (0)	9 .















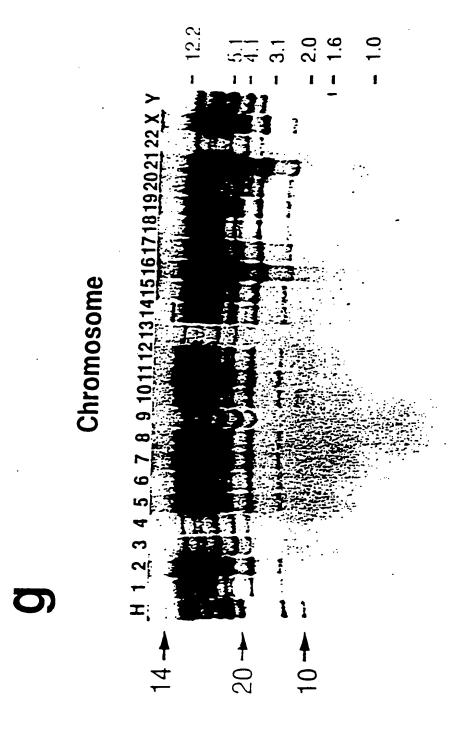


Fig. 23

Chromosomal mapping of each GS by Southern blot technique

Numbers of bands detected with human whole chromosomes							Chromosomes assigned	Back	ground
Clone		Sequen	ice			32/33		Mouse	Chinese hamste
ingle ban	d group	;		-					
elicli	G3000073		ŧ	I	£	į,	9	0	0
c! I=96	GSQ00062	: 5±0	1	į	ı	i	6,15	0	a
c!250i	G5000290	2!2	t	ι	ŧ	Ţ	2	1	!
c13c35	G3000 LL7	359		i	t	i.	I i ÷	0	Q
c:3c07	G3000129	355	1	:	ı	!	2	C	o ·
e13f10	G3000206	257	i	Ĺ	ι	ι	1 4	a	O
c131101	G5000279	133	i	i	ı	!	12-	a	0
c13h02	GSJ00322	167	i	i	1	i	á	e	o
d0gG2	G2000022	397	i	i	ī	ī	3	a	0
40k07		313	ı	1	i	i	11	!	ı
41510	C2000319 C2000121	153	i I	i	1	i	20	ā	Ó
	G5000223	246	i	ī	i	i	יא	Ó	a
hm01212		157	à	i	i	ī	į.	0	o.
hm0!c12		394	i	i	i	i	17	c	0
hm01(05	C2000089	454	i	ì	i	. 1 -	19.22	O	o
h:::01(10	CS000229	173	ā	i	ī	ı	10	o	0
hm01g09		477	1		ī	i	6	0	O
hm0!h07		363	i	i	i	1 .	1 2	Q	0
hm02a02		344	i	ı	į	i	4	ō	o
		164	i	i	0	ò	10	ō	ā
h:::07104		-	-	-	-	ľ	15	ō	ō
hm02=0 t		27 l	l .	!	i ·		20	ō	Ö
hm02c01		590	i	l	į.	l		a	ā
tmC2:02		156	0	l	i	<u>!</u>	! 4	a	0
hm02=05		223	L	ı	0	0	n.4.	_	0
hm07g02		273	1	ı	1	i	17	0	
hm05=05	CSG0025 L	219	ţ	1	ī	1	á	2	0
h_m05a10	junk	392	ı	t	ı	į.	Ţ	t -	I a
hmOSclO	G2C00003	606	l	t	i	ι	ī	o	0
kmd0l	junk	169	ŧ	t	t	0.	n.d.	0	0
1105	C2000001	703	t	Ĺ	ı	ı	5	a	0
:110	G300067	471	ı	l	1	ι	3	0	O
sildil	G3000307	#175	0	0	a	1	7	Q	O
sithCi	G\$000293	204	I	Ţ	1	ι	3	O	0
sl 47	G300060	46 L	L	t	ı	0	2 `	0	a
s l 4e 0 6	žnu į	639	t	ı	i	ŧ	l	O	O
s14gG2	G300G (5 Z	322	ι	ŧ	ι.	t	÷	0	0
s14h12	GS000271	193	t	ŧ	ı	t	٤	t	t
z150	G3000 (43	330	l	ι	1	t	17	0	O
\$156	C3000002	306	t	t	ŧ	l l	2	t	1
siSbii	G3000250	221	(t	t	ŧ	14	a	٥
:179	G3000275	196	l	ı	ŧ	t	n.d.	O	O
:1+6	62000334	241	l	i	į.	ı	9	0	a
:247	C3800:147	153	i	i	t	ı	t .	0	0
:270	junk	135	i		i	i	19	a	o ·

Fig. 24

Numbers of band with human whol	s detec	nosc	i mes			Chromosomes assigned	Backg	round
	equence			E/3	g 3 1/3 g		Mouse	Chinese
	205	ī	ı	0	l l	×	0	0
2306 C3300ZSG			i	. a	i	l l	0 ~	a
1309 GS000L7L	305	Į.	-		i	. .	3	2
#342 G300323	165	1	l	o,	ı	6,15	ī	i
s331 GS00255	207	I	l	-	1	(à	o
1334 CS000(GS	312	t	1	i .		17	a	ō
s337 G300278	195	t	l	l	l.	a.d.	a	ı
\$339 GS000295	130	l	ŧ	Į	ι.		a	ō
£443 G3000330	251	I	Į	ı	ı	a.d.	=	
\$470 junk	25 l	ı	٤,	ı	1	17	0	0
1474 G300192	27.3	1	Į.	1	Į.	\$	0	0
s503 junk	312	1	I	ı	t ·	12	0	0
1507 junk	600	ı	1	I	I	t	2	1
#5 L7 GS000334	161	1	L	1	ı	14	t -	1
:632 junk	537	ŧ	ŧ	1	1	2	0	0
\$633 C2000128.	311	t	1	1	1	. 22	2	t
2520 C2000011	644	ı	t	I	ı	12	t	l
(wt-04 GS000025	537 -	1	ı	Į	I	3.7	a	0
1×1-19 GS300218	255	ı	ı	ī	1	17	O	0
cwl-32 junk	250	L	L	1	t	\$	0	Q
(w1-37 GS000237	235	ī	t	t	t	22	0	O
rwi-42 junk	39!	i	i	i	t	8	1	I
(w [-43 G5000098	173	i	i	i	ı	1.4	0	O
(w1-96 CS000133	339	i	į	i	i	11	0	a
	243	•	•	•	•			
wo band group:	277	ι	2	2	2	ı,	L	Į.
• • • • • • • • • • • • • • • • • • • •	503	2	2	ī	ī	2.	a	· 0
e!3402 GS000042		_	2	2	2	11,13	3	· 5
hm01a06 GS000129	344	1			2	7.	ō	ō
hm01±07 G3000207	259	2	2	2		•	0	ō
hm01405 GS000232	243	2	2	2	l -	2.	a	ā
pwoled C2000191	292	2	2	2	2	1.2	_	ı
hm0210\$ GS000435	302	2 .	2	2	2	3,	1	
hm02c04 CS300221	253	2	2	2	2	3.	0	0
hm02c05 GS000146	332	2	2 .	2	2	17.19,22	0	0
hm05(07 G3000043	503	ı	I	2	ι	3,	0	0
#11406 GS000268	205	2	2	2	2	11,12	0	0
silg12 G5000337	255	2	2	2	2	6.	O	0
1124 G3000088	40'4	2	2	2	2	9.	ı	ι
1144 GS000132	342	ı	2	2.	2	1.7	0	0
114(03 GS000239	243	1	2	2	2	2,	3	2
stSeO2 junk	439	2	2	1	2	6.	o	a
116609 junk	420	ī	ī	i	2	10,14	a	0
\$17c09 G3000248	223	ž	2	ž	2	14.	0	a
117609 Gaduzia	284	2	2	2	2	11.	0	0
:254 C3000[24	353	2	2	2	2	1.	3	1
			2	2	1	11.	ā	o
1255 G300235 1272 junk	239 195	2	2	2	2	10.16	i	1 .



	of ban		Chromosomes assigned	Background					
Clone		quenc lengt		E/1	3	lg 32/8g		Mouse	Chinese hamste
#311	ದಾಯಯತ್ತು	2 333	ı	ı	2	2	16.	Ł	t
£313	junk	132	2	2	t	0	20.	a	a
\$317	CZGGGEGG	139	0	0	ι	2	14,14	t	ι
5336	C2300 F34	337	2	2	2	2	12,14	O	0
:333	C20C0133	233	2	2	2	t	22.%	a	a
:339	C300233	137	2	ŧ	ι	2	17.	o -	O.
1394	C2300068	449	2	1	2	2	13,14	0	O
1396 .	junk	277	2	2	2	2	17,	ø	1
5455	junk	452	ι	2	2	į	4.	0	O
:456	G5000236	132	2	2	2	2	8,10	ı	2
:465	CESSOSSOF	274	1	1	2	2	6,15	0	G
1635	junk	250	ı	ı	I	2	9.13	o	0
1639	G53002S7	205	t	2	2	2	2.X	a	0
1656	ದಾ00025	#590	2	2	Q	2	6,11	0	0
(w[-33	junk	352	2	2	2	2	t,	0	a
(w[-39	C2300 F23		2	2	2	2	17.	0	0
tw1-70	CS3000EL		I	ι	2	1	ει.	0	0
t w l -80	źunż	453	2	2	ı	2	9,17	2	2
tw1-87	CZSGOT29	316	2	2	2	2	7,	0	0
Three band									
40,406	C2000080	417	3	3	3	t	1.	0	O
hm05b01	-	336	2	3	3	3	5.	0	Ο.
_	C2000503	267	2	2	2	1	3.17.19	t	I
s129	GS000 LOT	378	3	3	3	3	a.d.	Ł	1
s173	GS000357	145	ı	2	2	3	2,	0	0
si7al0	C3000294	131	3	3	3	3	2,13,22	I	ī
2308	C2000412	638	2	2	2	3 .	XX	τ	I.
#40 I	G\$000224	249	2	3	3	3	6,5,	0	O
:654	C3000045	491	3	3	3	3	1,22,	0	0
t#1-82	C2000208	257	3	3	3	3	13.	4	0
Four band g									
c12g07	CS000154	320	4	4	2	3	5, 14,	0	0
c[]208	GS000055	802	3	3	4	4	2,7,7,17	1	2
c13c04		#376	4	3	3	3	n.d.	0	2
c13e09	CS000302	195	4	2	4	4	2,17,	7	1
:136	CZGGGEGG	315	4	4	4	4	4.%	2	t
2163		# G [3	4	4	4	2	4,4,8,20	3	ι
s47 9	C2000 F 3 0	293	4	4	2 .	2	7,8,11,11,12,19	0	a
	or more								
c12008	G3000253	217	5	5	5	2	2,7.9.14.	2	0
he0 t	junk	374		12	t S	1 3	1.2.6.	22	20
hdlQ	junk	361	4	4	4	8	a.d.	12	6
helO	junk	173	6	2	3	3	6.3,9,19.21,	3	3
hmalcas		l 7á	9	7	5	5	×	9	8
pw01(04		215		0	5	5	n,d.	1 2	12.
hin01e02	junk	411	9	G	6	4	10.14.20.	1.4	4

Fig. 26

Numbers with hu	Numbers of bands detected with human whole chromosomes							Bac	kground
Clone	S	equen lengt	ce h Ξ	E/3:	E/3	32/33	·	Mouse	Chinese hamster
hm02f09	G300273	442	3	7	7	5	3,3,6,11,13,14,15,16	0	a
h:::05±03	C300096	373	5	6	4	6	2,3,17,	3	3
hm05±04	C3000236	#239	6	á	6	7	a.d.	8	5
km50 l	junk	. 350	3	5	5	5	13.	14	7
s11f06	C20003T8	170	6	6	6	4. •	1,2,2,3,4,6,13,15,	a	3
s14f01	CC300407	252	12	11	I Q	9 .	1.5.9.13,	6	3
s173	ದಾಂಂಚ+	397	5	4	5	3	1,1,1,1,4,17	0	ā
\$255	G500G323	157	0 1	12	11	[4	13.	9	5
] L [2	junk	494	9	9	3	5	a.d.	15	3
140 6	C2500 F73	364	6	7	5	4	2,7,3,13,20,20	4	1
tw 1 -46	junk	593	9	10	10	10	1,1,2,2,5,11,%,	3	5
[b-1 ws	junk	203	3	10	10	12	3.4.	17	1.1
Bands no de									
c13g02	© 200340	157	0	a	a	٥	•	•	-
hm0le10	junk	232	a	0	0	0	•	-	•
hm02411	CS300274	196	0	0	0	0	•	•	•
:323	G\$300273	137	0	0	0	0	•	-	-
2359	CZ000 F 3 3	279	a	a	O	0	-	-	•
\$5!!	xnu i	233	O	0	0	0	-	-	•
\$645	GS000012	#734	0	0	0	0	•	•	-
\$54.7	CZOCOLOS	360	0	0	0	٥	•	•	-
£65 :	junk	540	a	0	a	0	-	-	-

International application No.

PCT/JP94/01916

A. CLASSIFICATION OF SUBJECT MATTER

Int. C16 C12N15/11, C12Q1/68//G01N33/566

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

Int. C16 C12N15/11, C12Q1/68//G01N33/566

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

BIOSIS PREVIEWS, CAS ONLINE

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category®	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
х	Nucleic Acids. Res., Vol. 15, 1987, Ou, J. H. "Cloning and characterization of a human ribosomal protein gene with enhanced expression in fetal and neoplastic cells" p. 8919-8934	1-6 (164)
х	Differntiatios, Vol. 33, 1986, Oshima, R. G. et al. "Comparison of mouse and human keratin 18:A component of intermediate filaments expressed prior to implantation" p. 61-68	1-6 (226)
x	J. Biol. Chem., Vol. 265, 1990, Wilkin, D. J. et al. "Isolation and sequence of the human farnesyl pyrophosphate synthetase cDNA:coordinate regulation of the mRNAs for farnesyl pyrophosphate synthetase, 3-hydroxy-3-methylglutaryl coenzyme A reductase, and 3-hydroxy-3-methylglutaryl coenzyme A synthetase" p. 4607-4614	1-6 (255)

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- To later document published after the international filling date or priority date and not in conflict with the application but cited to understand the priority or theory underlying the invention
- "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone.
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Date of the actual completion of the international search
February 6, 1995 (06. 02. 95)

Name and mailing address of the ISA/
Japanese Patent Office

Date of mailing of the international search report
March 7, 1995 (07. 03. 95)

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International application No.
PCT/JP94/01916

C(Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT Category* Citation of document, with indication, where appropriate, of the real. "Molecular cloning and sequence analy the human ribosomal protein S16" p. 6830-6833 X Proc. Natl. Acad. Sci. U.S.A., Vol. Ben-Ishai, R. et al. "A human cellular-sequence implicate oncogene activation is DNA damage in p. 6039-6043 X J. Biol. Chem., Vol. 263, 1988, Fisciet al. "Multiple divergent mRNAs code for a human calmodulin" p. 17055-17062 X J. Cell Biol., Vol. 108, 1989, Barnes et al. "Carcinoembryonic antigens: Alternatisplicing accounts for the multiple micode for novel members of the carcino antigen family" p. 267-276 X J. Biol. Chem., Vol. 265, 1990, Natsuet al. "Two distinct cDNAs for human IMP dehydrogenase" p. 5292-5295 X Genes Dev., Vol. 7, 1993, Patton, J. "Cloning and characterization of PSF pre-mRNA splicing factor" p. 393-406 X Nucleic Acids Res., Vol. 16, 1988, St. D. R. et al. "The complete primary structure of the snRNP E protein" p. 10593-10605 X Proc. Natl. Acad. Sci. U.S.A., Vol. 8 Inoue, C. et al. "Evolutionary conservation of the insigene rig and its possible function" p. 6659-6662 X J. Immunol., Vol. 144, 1990, Jongstra. J. et al. "Human and mouse LSP1 genes code for its conserved phosphoproteins" p. 1104-11.	PCI/	JP94/01916
X J. Biol. Chem., Vol. 266, 1991, Bathet al. "Molecular cloning and sequence analy the human ribosomal protein S16" p. 6830-6833 X Proc. Natl. Acad. Sci. U.S.A., Vol. Ben-Ishai, R. et al. "A human cellular-sequence implicate oncogene activation is DNA damage in p. 6039-6043 X J. Biol. Chem., Vol. 263, 1988, Fisce et al. "Multiple divergent mRNAs code for a human calmodulin" p. 17055-17062 X J. Cell Biol., Vol. 108, 1989, Barnet et al. "Carcinoembryonic antigens: Alternatisplicing accounts for the multiple micode for novel members of the carcing antigen family" p. 267-276 X J. Biol. Chem., Vol. 265, 1990, Natsuet al. "Two distinct cDNAs for human IMP dehydrogenase" p. 5292-5295 X Genes Dev., Vol. 7, 1993, Patton, J. "Cloning and characterization of PSF pre-mRNA splicing factor" p. 393-406 X Nucleic Acids Res., Vol. 16, 1988, St D. R. et al. "The complete primary structure of the snRNP E protein" p. 10593-10605 X Proc. Natl. Acad. Sci. U.S.A., Vol. 8 Inoue, C. et al. "Evolutionary conservation of the insigene rig and its possible function" p. 6659-6662 X J. Immunol., Vol. 144, 1990, Jongstrad J. et al. "Human and mouse LSP1 genes code for its the strange of the sum and mouse LSP1 genes code for its the strange of the sum and mouse LSP1 genes code for its the strange of the sum and mouse LSP1 genes code for its the strange of the sum and mouse LSP1 genes code for its the strange of the sum and mouse LSP1 genes code for its the strange of the sum and mouse LSP1 genes code for its the strange of the sum and mouse LSP1 genes code for its the strange of the sum and mouse LSP1 genes code for its the sum and mouse LSP1 genes code for its the sum and mouse LSP1 genes code for its the sum and mouse LSP1 genes code for its the sum and mouse LSP1 genes code for its the sum and mouse LSP1 genes code for its the sum and mouse LSP1 genes code for its the sum and mouse LSP1 genes code for its the sum and mouse LSP1 genes code for its the sum and mouse LSP1 genes code for its the sum and mouse LSP1 genes code fo		
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Ben-Ishai, R. et al. "A human cellular-sequence implicate oncogene activation is DNA damage in p. 6039-6043 X J. Biol. Chem., Vol. 263, 1988, Fisciet al. "Multiple divergent mRNAs code for a human calmodulin" p. 17055-17062 X J. Cell Biol., Vol. 108, 1989, Barner et al. "Carcinoembryonic antigens: Alternatisplicing accounts for the multiple micode for novel members of the carcing antigen family" p. 267-276 X J. Biol. Chem., Vol. 265, 1990, Natsuet al. "Two distinct cDNAs for human IMP dehydrogenase" p. 5292-5295 X Genes Dev., Vol. 7, 1993, Patton, J. "Cloning and characterization of PSF pre-mRNA splicing factor" p. 393-406 X Nucleic Acids Res., Vol. 16, 1988, St D. R. et al. "The complete primary structure of the snRNP E protein" p. 10593-10605 X Proc. Natl. Acad. Sci. U.S.A., Vol. 8 Inoue, C. et al. "Evolutionary conservation of the insigene rig and its possible function" p. 6659-6662 X J. Immunol., Vol. 144, 1990, Jongstrad J. et al. "Human and mouse LSP1 genes code for insuman and mouse		1-6 (275)
et al. "Multiple divergent mRNAs code for a human calmodulin" p. 17055-17062 X J. Cell Biol., Vol. 108, 1989, Barnes et al. "Carcinoembryonic antigens: Alternatisplicing accounts for the multiple micode for novel members of the carcino antigen family" p. 267-276 X J. Biol. Chem., Vol. 265, 1990, Natsuet al. "Two distinct cDNAs for human IMP dehydrogenase" p. 5292-5295 X Genes Dev., Vol. 7, 1993, Patton, J. "Cloning and characterization of PSF pre-mRNA splicing factor" p. 393-406 X Nucleic Acids Res., Vol. 16, 1988, St D. R. et al. "The complete primary structure of the snRNP E protein" p. 10593-10605 X Proc. Natl. Acad. Sci. U.S.A., Vol. 8 Inoue, C. et al. "Evolutionary conservation of the insigene rig and its possible function" p. 6659-6662 X J. Immunol., Vol. 144, 1990, Jongstrad. J. et al. "Human and mouse LSP1 genes code for its all."	i in trk	1-6 (313)
"Carcinoembryonic antigens: Alternatisplicing accounts for the multiple micode for novel members of the carcino antigen family" p. 267-276 X J. Biol. Chem., Vol. 265, 1990, Natsuet al. "Two distinct cDNAs for human IMP dehydrogenase" p. 5292-5295 X Genes Dev., Vol. 7, 1993, Patton, J. "Cloning and characterization of PSF pre-mRNA splicing factor" p. 393-406 X Nucleic Acids Res., Vol. 16, 1988, St D. R. et al. "The complete primary structure of the snRNP E protein" p. 10593-10605 X Proc. Natl. Acad. Sci. U.S.A., Vol. 8 Inoue, C. et al. "Evolutionary conservation of the insigene rig and its possible function" p. 6659-6662 X J. Immunol., Vol. 144, 1990, Jongstrad J. et al. "Human and mouse LSP1 genes code for instance of the insigene right in the complete code for instance in the complete code for instance code code for instance code code code code code code code co		1-6 (386)
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"Cloning and characterization of PSF pre-mRNA splicing factor" p. 393-406 X Nucleic Acids Res., Vol. 16, 1988, St D. R. et al. "The complete primary structure of th snRNP E protein" p. 10593-10605 X Proc. Natl. Acad. Sci. U.S.A., Vol. 8 Inoue, C. et al. "Evolutionary conservation of the insigene rig and its possible function" p. 6659-6662 X J. Immunol., Vol. 144, 1990, Jongstrad. J. et al. "Human and mouse LSP1 genes code for its services and its possible function"	meda, Y.	1-6 (454)
D. R. et al. "The complete primary structure of the snRNP E protein" p. 10593-10605 X Proc. Natl. Acad. Sci. U.S.A., Vol. 8 Inoue, C. et al. "Evolutionary conservation of the insequence rig and its possible function" p. 6659-6662 X J. Immunol., Vol. 144, 1990, Jongstrad. J. et al. "Human and mouse LSP1 genes code for its services of the services	G. et al. a novel	1-6 (706)
Inoue, C. et al. "Evolutionary conservation of the insigene rig and its possible function" p. 6659-6662 X J. Immunol., Vol. 144, 1990, Jongstrad. J. et al. "Human and mouse LSP1 genes code for its services."		1-6 (711)
J. et al. "Human and mouse LSP1 genes code for 1		1-6 (723)
k	iiahlv	1-6 (741)
Biochem. J., Vol. 248, 1987, Sakai, I. "The cDNA and protein sequences of humlactate dehydrogenase-B" p. 933-936	et al. an	1-6 (772)

International application No.
PCT/JP94/01916

C (Continu	LOCUMENTS CONSIDERED TO BE RELEVANT		
Category®	Citation of document, with indication, where appropriate, of the relevant p	ossages	Relevant to claim No.
х	Biochim. Bioiphys. Acta., Vol. 1089, 199 Tamura, T. et al. "Molecular cloning and sequence analysis cDNAs for five major subunits of human proteasomes (multicatalytic proteinase complexes)" p. 95-102	i	1-6 (775)
x	Mol. Cell. Bicl., Vol. 3, 1983, Cowan, N. et al. "Expression of human alpha-tubulin genes: interspecies conservation of 3' untranslaregions" p. 1738-1745		1-6 (820)
x	Nucleic Acids Res., Vol. 17, 1989, Taaman J. W. et al. "Nucleotide sequence of cDNA encoding sub VIb of human cytochrome c oxidase" p. 1766-1766		1-6 (844)
	Gene, Vol. 93, 1990 Taanman, J. W., Schrage, C., Ponne, N., D A., Bolhuis, P. A., de Vries, H. and Agsteribbe, E. Isolation of cDNAs encodin Subunit VIb of human cytochrome c oxidase steady-state levels of coxVIb mRNA in di different tissues p. 285-291	a	1-6 (844)
	J. Biol. Chem., Vol. 264, 1989, Gray, P. 9 al. "Cloning of the cDNA of a human neutrophi: bactericidal protein:Structural and functs correlations" p. 9505-9509		1-6 (861)
	Immunogenetics, Vol. 32, 1990, Angelisova, P. et al. "The human leucocyte surface antigen CD53 a protein structurally similar to the CD37 and MRC OX-44 antigens" p. 281-285	is	1-6 (1158)
	Proc. Natl. Acad. Sci. U.S.A., Vol. 88, 19 Koken, M. H. et al. "Structural and functional conservation of two human homologs of the yeast DNA repair gene RAD6" p. 8865-8869		1-6 (1181)
ā	Oncogene, Vol. 5, 1990, Firmbach-Kraft, I. al. Tyk 2, prototype of a novel class of non- receptor tyrosine Kinase genes" p. 1329-13		1-6 (1345)
ď	science, Vol. 248, 1990, Smith, C. A. et a A receptor for human tumor necrosis facto lifines an unusual family of cellular and viral proteins" p. 1019-1023	1. r	1-6 (1431)

International application No.
PCT/JP94/01916

Company Cibins of document, with indication, where appropriate, of the relevant passages X J. Biol. Chem., Vol. 263, 1988, Luster, A. D. et al. "Molecular and biochemical characterization of a novel gamma-interferon-inducible protein" p. 12036-12043 X J. Clin. Invest., Vol. 83, 1989, Look, A. T. et al. "The human myeloid plasma membrane glycoprotein CD13 (gp150) is identical to aminopeptidase N" p. 1299-1307 X J. Cell Biol., Vol. 105, 1987, Argraves, W. S. et al. "Amino Acid Sequence of the Human Fibronectin Receptor" p. 1183-1190 X Nucleic Acids Res., Vol. 18, 1990, Liebhaber, S. A. et al. "Characterization of a human cDNA encoding a widely expressed and highly conserved cysteinerich protein with an unusual zinc-finger motif" p. 3871-3879 X J. Biol. Chem., Vol. 264, 1989, Didsbury, J. et al. "Rac, a novel ras-related family of proteins that are bolulinum toxin substrates" p. 16378-16382 X EMBO J., Vol. 6, 1987, Willison, K. et al. "The human homologue of the mouse t-complex gene, TCP1, is located on chromosome 6 but is not near the HLA region" p. 1967-1974 X J. Biol. Chem., Vol. 266, 1991, Wu, Y. et al. "Activation of globin gene expression by cDNAs from induced K562 cells: Evidence for involvement of ferritin in globin gene expression" p. 17566-17572 X Proc. Natl. Acad. Sci. U.S.A., Vol. 83, 1986, I.6 (1785) CNA: The human alcohol dehydrogenase subunits: cDNA structure and molecular and evolutionary divergence" p. 634-638 X Proc. Natl. Acad. Sci. U.S.A., Vol. 85, 1988, Fukumoto, H. et al "Sequence, tissue distribution, and chromosomal localization of mRNA encoding a human glucose transporter-like protein" p. 5434-5438			
J. Biol. Chem., Vol. 263, 1988, Luster, A. D. et al. "Molecular and biochemical characterization of a novel gamma-interferon-inducible protein" p. 12036-12043 X J. Clin. Invest., Vol. 83, 1989, Look, A. T. et al. "The human myeloid plasma membrane glycoprotein CD13 (gp150) is identical to aminopeptidase N" p. 1299-1307 X J. Cell Biol., Vol. 105, 1987, Argraves, W. S. et al. "Amino Acid Sequence of the Human Fibronectin Receptor" p. 1183-1190 X Nucleic Acids Res., Vol. 18, 1990, Liebhaber, S. A. et al. "Characterization of a human cDNA encoding a widely expressed and highly conserved cysteine- rich protein with an unusual zinc-finger motif" p. 3871-3879 X J. Biol. Chem., Vol. 264, 1989, Didsbury, J. et al. "Rac, a novel ras-related family of proteins that are bolulinum toxin substrates" p. 16378-16382 X EMBO J., Vol. 6, 1987, Willison, K. et al. "The human homologue of the mouse t-complex gene, TCPl, is located on chromosome 6 but is not near the HLA region" p. 1967-1974 X J. Biol. Chem., Vol. 266, 1991, Wu, Y. et al. "Activation of globin gene expression by cDNAs from induced K562 cells: Evidence for involvement of ferritin in globin gene expression" p. 17566-17572 X Proc. Natl. Acad. Sci. U.S.A., Vol. 83, 1986, Ikuta, T. et al "Three human alcohol dehydrogenase subunits: cDNA structure and molecular and evolutionary divergence" p. 634-638 X Proc. Natl. Acad. Sci. U.S.A., Vol. 85, 1988, Fukumoto, H. et al "Sequence, tissue distribution, and chromosomal localization of mRNA encoding a human glucose transporter-like protein"	C (Continu	Intion). DOCUMENTS CONSIDERED TO BE RELEVANT	T
## al. #Molecular and biochemical characterization of a novel gamma-interferon-inducible protein p. 12036-12043 X	Category®	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
et al. "The human myeloid plasma membrane glycoprotein CD13 (gp150) is identical to aminopeptidase N" p. 1299-1307 X J. Cell Biol., Vol. 105, 1987, Argraves, W. S. et al. "Amino Acid Sequence of the Human Fibronectin Receptor" p. 1183-1190 X Nucleic Acids Res., Vol. 18, 1990, Liebhaber, S. A. et al. "Characterization of a human cDNA encoding a widely expressed and highly conserved cysteinerich protein with an unusual zinc-finger motif" p. 3871-3879 X J. Biol. Chem., Vol. 264, 1989, Didsbury, J. et al. "Rac, a novel ras-related family of proteins that are bolulinum toxin substrates" p. 16378-16382 X EMBO J., Vol. 6, 1987, Willison, K. et al. "The human homologue of the mouse t-complex gene, TCP1, is located on chromosome 6 but is not near the HLA region" p. 1967-1974 X J. Biol. Chem., Vol. 266, 1991, Wu, Y. et al. "Activation of globin gene expression by cDNAs from induced K562 cells: Evidence for involvement of ferritin in globin gene expression" p. 17566-17572 X Proc. Natl. Acad. Sci. U.S.A., Vol. 83, 1986, I.6 (1864) "Three human alcohol dehydrogenase subunits: cDNA structure and molecular and evolutionary divergence" p. 634-638 X Proc. Natl. Acad. Sci. U.S.A., Vol. 85, 1988, Fukumoto, H. et al "Sequence, tissue distribution, and chromosomal localization of mRNA encoding a human glucose transporter-like protein"	x	et al. "Molecular and biochemical characterization of a novel gamma-interferon-inducible protein"	
et al. "Amino Acid Sequence of the Human Fibronectin Receptor" p. 1183-1190 X Nucleic Acids Res., Vol. 18, 1990, Liebhaber, S. A. et al. "Characterization of a human cDNA encoding a widely expressed and highly conserved cysteinerich protein with an unusual zinc-finger motif" p. 3871-3879 X J. Biol. Chem., Vol. 264, 1989, Didsbury, J. et al. "Rac, a novel ras-related family of proteins that are bolulinum toxin substrates" p. 16378-16382 X EMBO J., Vol. 6, 1987, Willison, K. et al. "The human homologue of the mouse t-complex gene, TCP1, is located on chromosome 6 but is not near the HLA region" p. 1967-1974 X J. Biol. Chem., Vol. 266, 1991, Wu, Y. et al. "Activation of globin gene expression by cDNAs from induced K562 cells: Evidence for involvement of ferritin in globin gene expression" p. 17566-17572 X Proc. Natl. Acad. Sci. U.S.A., Vol. 83, 1986, Ikuta, T. et al "Three human alcohol dehydrogenase subunits: cDNA structure and molecular and evolutionary divergence" p. 634-638 X Proc. Natl. Acad. Sci. U.S.A., Vol. 85, 1988, Fukumoto, H. et al "Sequence, tissue distribution, and chromosomal localization of mRNA encoding a human glucose transporter-like protein"	х	et al. "The human myeloid plasma membrane glycoprotein CD13 (gpl50) is identical to aminopeptidase	(1469)
S. A. et al. "Characterization of a human cDNA encoding a widely expressed and highly conserved cysteinerich protein with an unusual zinc-finger motif" p. 3871-3879 X J. Biol. Chem., Vol. 264, 1989, Didsbury, J. et al. "Rac, a novel ras-related family of proteins that are bolulinum toxin substrates" p. 16378-16382 X EMBO J., Vol. 6, 1987, Willison, K. et al. "The human homologue of the mouse t-complex gene, TCPl, is located on chromosome 6 but is not near the HLA region" p. 1967-1974 X J. Biol. Chem., Vol. 266, 1991, Wu, Y. et al. "Activation of globin gene expression by cDNAs from induced K562 cells: Evidence for involvement of ferritin in globin gene expression" p. 17566-17572 X Proc. Natl. Acad. Sci. U.S.A., Vol. 83, 1986, I.6 (1864) "Three human alcohol dehydrogenase subunits: cDNA structure and molecular and evolutionary divergence" p. 634-638 X Proc. Natl. Acad. Sci. U.S.A., Vol. 85, 1988, Fukumoto, H. et al "Sequence, tissue distribution, and chromosomal localization of mRNA encoding a human glucose transporter-like protein"	x	et al. "Amino Acid Sequence of the Human Fibronectin	- •
et al. "Rac, a novel ras-related family of proteins that are bolulinum toxin substrates" p. 16378-16382 X EMBO J., Vol. 6, 1987, Willison, K. et al. "The human homologue of the mouse t-complex gene, TCPl, is located on chromosome 6 but is not near the HLA region" p. 1967-1974 X J. Biol. Chem., Vol. 266, 1991, Wu, Y. et al. "Activation of globin gene expression by CDNAs from induced K562 cells: Evidence for involvement of ferritin in globin gene expression" p. 17566-17572 X Proc. Natl. Acad. Sci. U.S.A., Vol. 83, 1986, I.6 (1864) "Three human alcohol dehydrogenase subunits: CDNA structure and molecular and evolutionary divergence" p. 634-638 X Proc. Natl. Acad. Sci. U.S.A., Vol. 85, 1988, Fukumoto, H. et al "Sequence, tissue distribution, and chromosomal localization of mRNA encoding a human glucose transporter-like protein"	х	S. A. et al. "Characterization of a human cDNA encoding a widely expressed and highly conserved cysteinerich protein with an unusual zinc-finger	
"The human homologue of the mouse t-complex gene, TCP1, is located on chromosome 6 but is not near the HLA region" p. 1967-1974 X J. Biol. Chem., Vol. 266, 1991, Wu, Y. et al. "Activation of globin gene expression by CDNAs from induced K562 cells: Evidence for involvement of ferritin in globin gene expression" p. 17566-17572 X Proc. Natl. Acad. Sci. U.S.A., Vol. 83, 1986, I6 (1864) "Three human alcohol dehydrogenase subunits: CDNA structure and molecular and evolutionary divergence" p. 634-638 X Proc. Natl. Acad. Sci. U.S.A., Vol. 85, 1988, Fukumoto, H. et al "Sequence, tissue distribution, and chromosomal localization of mRNA encoding a human glucose transporter-like protein"	х	et al. "Rac, a novel ras-related family of proteins that are bolulinum toxin substrates"	
"Activation of globin gene expression by cDNAs from induced K562 cells: Evidence for involvement of ferritin in globin gene expression" p. 17566-17572 X Proc. Natl. Acad. Sci. U.S.A., Vol. 83, 1986, Ikuta, T. et al (1864) "Three human alcohol dehydrogenase subunits: cDNA structure and molecular and evolutionary divergence" p. 634-638 X Proc. Natl. Acad. Sci. U.S.A., Vol. 85, 1988, Fukumoto, H. et al (1878) "Sequence, tissue distribution, and chromosomal localization of mRNA encoding a human glucose transporter-like protein"		"The human homologue of the mouse t-complex gene, TCP1, is located on chromosome 6 but is	·- ·
Ikuta, T. et al "Three human alcohol dehydrogenase subunits: cDNA structure and molecular and evolutionary divergence" p. 634-638 X Proc. Natl. Acad. Sci. U.S.A., Vol. 85, 1988, Fukumoto, H. et al "Sequence, tissue distribution, and chromosomal localization of mRNA encoding a human glucose transporter-like protein"		*Activation of globin gene expression by cDNAs from induced K562 cells: Evidence for involvement of ferritin in globin gene	
Fukumoto, H. et al "Sequence, tissue distribution, and chromosomal localization of mRNA encoding a human glucose transporter-like protein" (1878)		Ikuta, T. et al "Three human alcohol dehydrogenase subunits: cDNA structure and molecular and evolutionary	
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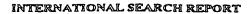
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C (Continu	ention). DOCUMENTS CONSIDERED TO BE RELEVANT		
Category®	Citation of document, with indication, where appropriate, of the releva	nt passages	Relevant to claim No.
х	J. Clin. Invest., Vol. 76, 1985, Cooke et al. "Serum vitamin D-binding protein is a member of the albumin and alpha fetoprogene family" p. 2420-2424	third	1-6 (1888)
х	J. Biol. Chem., Vol. 264, 1989, Huang, et al. "Human deoxycytidine kinase: Sequence of clones and analysis of expression in cellines with and without enzyme activity p. 14762-14768	of cDNA ±11	1-6 (1894)
х	J. Biol. Chem., Vol. 266, 1991, Huang, et al. "Additions and corrections Human deoxytkinase. Sequence of cDNA clones and ar of expression in cell lines with and wianzyme activity" p. 5353-5353	idine alysis	1-6 (1894)
х	Somat. Cell Mol. Genet., Vol. 11, 1985, G.I. et al. "Human alpha-2-macroglobulin gene is loon chromosome 12" p. 285-289		1-6 (1895)
x	Proc. Natl. Acad. Sci. U.S.A., Vol. 81, Yang, F. et al. "Human transferrin: cDNA characterizatichromosomal localization" p. 2752-2756	-	1-6 (1902)
х	Proc. Natl. Acad. Sci. U.S.A., Vol. 83, Ny, T. et al. "Cloning and sequence of a cDNA coding the human beta-migrating endothelial-ce plasminogen activator inhibitor" p. 677	for 11-type	1-6 (1904)
	J. Biol. Chem., Vol. 267, 1992, Bausch-M. T. et al "Molecular cloning of AMP deaminase iso L: Sequence and bacterial expression of AMPD2 cDNA° p. 22407-22413	form	1-6 (1908)
	Gene, Vol. 44, 1986, Board, P. G. et al "Molecular cloning and nucleotide sequentum alpha-1 acid glycoprotein cDNA" p. 127-131		1-6 (1921)
	Eur. J. Biochem., Vol. 155, 1986, Wathe et al. "Molecular cloning, full-length sequence preliminary characterization of a 56-kD protein induced by human interferons" p	e and	1-6 (2101)

International application No.
PCT/JP94/01916

		PCT/JP	94/01916
C (Continu	uation). DOCUMENTS CONSIDERED TO BE RELEVANT		
Category®	Citation of document, with indication, where appropriate, of the relevant	vant passages	Relevant to claim No.
х	Nucleic Acids Res., Vol. 11, 1983, Che et al. "Interferon induced 56,000 mr protein its mRNA in human cells: molecular clo and partial sequence of the cDNA" p. 1213-1226	and	1-6 (2101)
х	Biochemistry, Vol. 25, 1986, Koide, T. "Amino acid sequence of human histidin glycoprotein derived from the nucleoti sequence of its cDNA" p. 2220-2225	e-rich	1-6 (2174)
х	Biochemistry, Vol. 22, 1983, Friezner-S. J. et al. "Characterization of the complementary deoxyribonucleic acid and gene coding human prothrombin" p. 2087-2097		1-6 (2214)
х	Biochem. J., Vol. 268, 1990, Steinkasse A. et al. "Heterogeneity in human serum amyloid protein. Five different variants from individual demonstrated by cDNA sequence analysis." p. 287-193	A one	1-6 (2238)
х	Nucleic Acids Res., Vol. 17, 1989, Fabr G. M. et al. "Sequence of a cDNA specifying subunit of human cytochrome c oxidase" p. 7107-	VIIa	1-6 (2264)
х	Proc. Natl. Acad. Sci. U.S.A., Vol. 86, Sims, J. E. et al. "Cloning of the interleukin 1 receptor human T cells" p. 8946-8950		1-6 (2265)
	Eur. J. Biochem., Vol. 169, 1987, Macki C. M. et al. "Molecular cloning of cDNA for human complement component Cls. The complete acid sequence" p. 547-553		1-6 (2266)
	J. Virol., Vol. 65, 1990, Tsujimoto, A. "Isolation of cDNA for DNA binding protwhich specifically bind to TAX-responsienhancer element in the LTR of HTLA-1" p. 1420-1426	eins	1-6 (2475)
1	Immunogenetics, Vol. 37, 1993, Emi, N. "Isolation of a novel cDNA clone showin marked similarity to ME491/CD63 superfap. 193-198	g	1-6 (2556)
1 '	Nature, Vol. 353, 1991, Kelly, A. P. et "A new human HLA class II-related locus p. 571-573	al. , DM"	1-6 (2583)

International application No.
PCT/JP94/01916

	Citation of dominant with indicate	Dalamani i i i ii
ategory°	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim N
x	J. Biol. Chem., Vol. 265, 1990, Hla, T. et al. "An abundant transcript induced in differentiating human endothelial cells encodes a polypeptide with structural similarities to G-protein-coupled receptors" p. 9308-9313	1-6 (2600)
x	J. Biol. Chem., Vol. 267, 1992, White, R. T. et al. "Human adipsin is identical to complement factor D and expressed at high levels in adipose tissue" p. 9210-9213	1-6 (2802)
x	Proc. Natl. Acad. Sci. U.S.A., Vol. 87, 1990, Rouault, T. A. et al. "Cloning of the cDNA encoding RNA regulatory protein-the human iron-responsive element-binding protein" p. 7958-7962	1-6 (2832)
	Nucleic Acids Res., Vol. 17, 1989, Sawada, R. et al. "Complementary DNA sequence and deduced peptide sequence for CD59/MEM43 antigen, the human homologue of murine lymphocyte antigen Ly-6c" p. 6728-6728	1-6 (2954)
- [,	DNA Cell Biol., Vol. 9, 1990, Sawada, R. et al. "Isolation and expression of the full-length cDNA encoding CD59 antigen of human lymphocytes" p. 213-220	1-6 (2954)
1	Proc. Natl. Acad. Sci. U.S.A., Vol. 87, 1990, Weller, P. A. et al. "Complete sequence of human vinculin and assignment of the gene to chromosome 10 co. 5667-5671	1-6 (2983)
t	Cell, Vol. 58, 1989, Mellentin, J. D. et al. "LYL-1, a novel gene involved by chromosomal cranslocation in T-cell leukemia, codes for a protein with a helix-loop-helix DNA binding notif" p. 77-83	1-6 (3023)
i	Cell, Vol. 60, 1990, Uze, G. et al. Genetic transfer of a functional human nterferon alpha receptor into mouse cells: cloning and expression of its cDNA* 225-234	1-6 (3041)
u l	iochem. Biophys. Res. Commun., Vol. 179, 991, Xiao, L. et al. Characterization of a full length cDNA hich codes for the human spermidine/spermine -1-acetyltransferase" p. 407-415	1-6 (3053)



International application No.
PCT/JP94/01916

C (Contin	untion). DOCUMENTS CONSIDERED TO BE RELEVANT	
Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Х	J. Biol. Chem., Vol. 266, 1991, Casero, R. A. Jr. et al. "Isolation and characterization of a cDNA clone that codes for human spermidine/spermine N-1-acetyltransferase" p. 810-814	1-6 (3053)
x	Nucleic Acids Res., Vol. 20, 1992, Wintzerith, M. et al. "Sequence of the human RNA polymerase II largest subunit" p. 910-910	1-6 (3083)
x	J. Cell Biol., Vol. 103, 1986, Lawler, J. et al. "The Structure of Human Thrombospondin, an/adhesive Glycoprotein with Multiple Calcium binding Sites and Homologies with Several Different Proteins" p. 1635-1648	1-6 (3266)
х	Nature, Vol. 352, 1991, Maslen, C. L. et al. "Partial sequence of a candidate gene for the marfan syndrome" p. 334-337	1-6 (3334)
х	J. Cell Biol., Vol. 111, 1990, Fishman, G. I. et al. "Molecular Characterization and Functional Expression of the Human Cardiac Gap Junction Channel" p. 589-598	1-6 (3403)
х	Cell, Vol. 40, 1985, Ebina, Y. et al. "The human insulin receptor cDNA: The structural basis for hormone-activated membrane signalling" p. 747-758	1-6 (3447)
x	Oncogne, Vol. 5, 1990, Westin, E. H. et al. "Alternative splicing of the human c-myb gene" p. 1117-1124	1-6 (3529)
	Genomics, Vol. 4, 1989, Todd, S. et al. "cDNA sequence, interspecies comparison and gene mapping analysis of argininosuccinate lyase" p. 53-59	1-6 (3575)
	FEBS Lett., Vol. 207, 1986, Codina, J. et al. "-Subunits of the human liver Gs/Gi signal-transducing proteins and those of bovine retinal rod cell transducin are identical" p. 187-192	1-6 (3796)
	Nucleic Acids Res., Vol. 18, 1990, Roessler, B. J. et al. "Cloning of two distinct copies of human phosphoribosyl pyrophosphate synthetase cDNA" p. 193-193	1-6 (3828)
PCTACA	210 (

international search report

International application No.
PCT/JP94/01916

X X X X X X X X X X X X X X X X X X X	Citation of document, with indication, where appropriate, of the rele J. Biochem., Vol. 109, 1991, Sonoda, 7		Relevant to claim No.
X A A A A A A A A A A A A A A A A A A A	J. Biochem., Vol. 109, 1991, Sonoda, 7		Relevant to claim No.
X I	J. Biochem., Vol. 109, 1991, Sonoda, 7		
X II	"Complete nucleotide sequence of human phosphoribosyl pyrophosphate synthetas I (PRS I) cDNA and a comparison with h and rat PRPS gene families" p. 361-364	n se subunit numan	1-6 (3828)
X I	J. Biol. Chem., Vol. 263, 1988, Wermut et al. "Human carbonyl reductase: Nucleotide analysis of a cDNA and amino acid sequof the encoded protein" p. 16185-16188	sequence lence	1-6 (4033)
9	Biochim. Biophys. Acta. Vol. 1048, 199 Forrest, G. L. et al. "Induction of a human carbonyl reducta located on chromosome 21" p. 149-155	1	1-6 (4033)
	Proc. Natl. Acad. Sci. U.S.A., Vol. 88 Schuetz, T. J. et al. "Isolation of a cDNA for HSF2: Evidence two heat shock factor genes in humans' p. 6911-6915	e for	1-6 (4093)
i	Nucleic Acids Res., Vol. 13, 1985, Hal R. A. et al. "Human Cu/Zn superoxide dismutase cDNA isolation of clones synthesising high of active or inactive enzyme from an expression library" p. 2017-2034	.:	1-6 (4110)
S	Proc. Natl. Acad. Sci. U.S.A., Vol. 80 Sherman, L. et al. "Nucleotide sequence and expression of chromosome 21 - encoded superoxide dis mRNA" p. 5465-5469	human	1-6 (4110)
e r s i	J. Biol. Chem., Vol. 268, 1993, David, et al. "Interaction with newly synthesized an retained proteins in the endoplasmic rangests a chaperone function for huma integral membrane protein IP90 (calnex p. 9585-9592	d eticulum n	1-6 (4373)
e "	J. Exp. Med., Vol. 172, 1990, Tekamp-Oet al. "Cloning and Characterization of cDNAs Murine Macrophage Inflammatory Protein its Human Homologues" p. 911-919	for	1-6 (4452)

International application No.

PCT/JP94/01916

Citation of document, with indication, where appropriate, of the relevant passages Biochemistry, Vol. 30, 1991, Tomkinson, B. et al.	Relevant to claim No
Biochemistry, Vol. 30, 1991, Tomkinson, B. et al.	
al.	1-6
"Characterization of cDNA for human tripeptidyl peptidase II: The N-terminal part of the enzyme is similar to subtilisin" p. 168-174	(4522)
J. Biol. Chem., Vol. 263, 1988, Verma, A. K. et al. "Complete primary structure of a human plasma membrane Ca2+ pump" p. 14152-14159	1-6 (4673)
J. Biol. Chem., Vol. 267, 1992, Shechter, I. et al. "Solubilization, purification and characterization of a truncated form of rat hepatic squalene synthetase" p. 8628-8635	1-6 (4818)
J. Biol. Chem., Vol. 267, 1992, Mckenzie, T. L. et al. "Molecular cloning, expression, and characterization of the cDNA for the rat hepataic squalene synthase" p. 21368-21374	1-6 (4818)
Nucleic Acids Res., Vol. 13, 1985, Furutani, Y. et al. "Cloning and characterization of the cDNAs for human and rabbit interleukin-1 precursor" p. 5869-5882	1-6 (4872)
Proc. Natl. Acad. Sci U.S.A., Vol. 89, 1992, Katoh, M. et al. "K-sam gene encodes secreted as well as transmembrane receptor tyrosine kinase" p. 2960-2964	1-6 (4914)
Differentiation, Vol. 42, 1989, Kuruc, N. et al. "Synthesis of cytokeratin 13, a component characteristic of internal stratified epithelia, is not induced in human epidermal tumors" p. 111-123	1-6 (5264)
J. Biol. Chem., Vol. 266, 1991, Kiefer, M. C. et al. "Identification and molecular cloning of two new 30-kDa insulin-like growth factor binding proteins isolated from adult human serum" p. 9043-9049	1-6 (5374)
	et al. "Complete primary structure of a human plasma membrane Ca2+ pump" p. 14152-14159 J. Biol. Chem., Vol. 267, 1992, Shechter, I. et al. "Solubilization, purification and characterization of a truncated form of rat hepatic squalene synthetase" p. 8628-8635 J. Biol. Chem., Vol. 267, 1992, Mckenzie, T. L. et al. "Molecular cloning, expression, and characterization of the cDNA for the rat hepataic squalene synthase" p. 21368-21374 Nucleic Acids Res., Vol. 13, 1985, Furutani, Y. et al. "Cloning and characterization of the cDNAs for human and rabbit interleukin-1 precursor" p. 5869-5882 Proc. Natl. Acad. Sci U.S.A., Vol. 89, 1992, Katoh, M. et al. "K-sam gene encodes secreted as well as transmembrane receptor tyrosine kinase" p. 2960-2964 Differentiation, Vol. 42, 1989, Kuruc, N. et al. "Synthesis of cytokeratin 13, a component characteristic of internal stratified epithelia, is not induced in human epidermal tumors" p. 111-123 J. Biol. Chem., Vol. 266, 1991, Kiefer, M. C. et al. "Identification and molecular cloning of two new 30-kDa insulin-like growth factor binding proteins isolated from adult human serum"

International application No.

PCT/JP94/01916

C(Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT Caugory* Citizion of document, with indication, where appropriate, of the relevant passages X J. Biol. Chem., Vol. 265, 1990, Opipari, A. W. et al. "The A20 cDNA induced by tumor necrosis factor alpha-encodes a novel type of zinc finger protein" p. 14705-14708 X J. Biol. Chem., Vol. 265, 1990, McLean, J. W. et al. "cDNA sequence of the human integrin beta-5 subunit" p. 17126-17131 X Cell, Vol. 66, 1991, Ge, H. et al. "primary structure of the human splicing factor ASF reveals similarities with drosophila regulators* p. 373-382 X Cancer Res., Vol. 52, 1992, Kondoh, N. et al. "Differential expression of S19 ribosomal protein, laminin binding protein and HLA class I mRNAs associated with colon carcinoma progression and differentiation" p. 791-796 X J. Biol. Chem., Vol. 263, 1988, Collart, F. R. et al. "Cloning and sequence analysis of the human and chinese hamster inosine-5' -monophosphate dehydrogenase cDNA" p. 15769-15772 X J. Biol. Chem., Vol. 261, 1986, Romeo, PH. et al. "Molecular cloning and nucleotide sequence of a complete human uroporphyrinogen decarboxylase cDNA" p. 9825-9831 X J. Cell Biol., Vol. 106, 1988, Leube, R. E. et al. "Molecular characterization and expression of the stratification-related cytokeratins 4 and 15" p. 1249-1261 X Proc. Natl. Acad. Sci. U.S.A., Vol. 85, 1988, Daher, K. A. et al. "Isolation and characterization of human defensin cDNA clones" p. 7327-7331 X J. Exp. Med, Vol. 172, 1990, Larsen, A. et al. "Expression Cloning of a Human Graulocyte Colony-stimulating Factor Receptor: a Structural Mosaic of Hematopoietin Receptor, Immunoglobulin, and Fibronectin Domains" p. 1559-1570		101/0	£34/01310
X J. Biol. Chem., Vol. 265, 1990, Opipari, A. W. et al. "The A20 cDNA induced by tumor necrosis factor alpha-encodes a novel type of zinc finger protein" p. 14705-14708 X J. Biol. Chem., Vol. 265, 1990, McLean, J. W. et al. "CDNA sequence of the human integrin beta-5 subunit" p. 17126-17131 X Cell, Vol. 66, 1991, Ge, H. et al. "primary structure of the human splicing factor ASF reveals similarities with drosophila regulators" p. 373-382 X Cancer Res., Vol. 52, 1992, Kondoh, N. et al. "Differential expression of S19 ribosomal protein, laminin binding protein and HLA class I mRNAs associated with colon carcinoma progression and differentiation" p. 791-796 X J. Biol. Chem., Vol. 263, 1988, Collart, F. R. et al. "Cloning and sequence analysis of the human and chinese hamster inosine-5'—monophosphate dehydrogenase cDNA" p. 15769-15772 X J. Biol. Chem., Vol. 261, 1986, Romeo, PH. et al. "Molecular cloning and nucleotide sequence of a complete human uroporphyrinogen decarboxylase cDNA" p. 9825-9831 X J. Cell Biol., Vol. 106, 1988, Leube, R. E. et al. "Molecular characterization and expression of the stratification-related cytokeratins 4 and 15" p. 1249-1261 X Proc. Natl. Acad. Sci. U.S.A., Vol. 85, 1988, Daher, K. A. et al. "Isolation and characterization of human defensin cDNA clones" p. 7327-7331 X J. Exp. Med, Vol. 172, 1990, Larsen, A. et al. "Expression Cloning of a Human Graulocyte Colony-stimulating Factor Receptor: a Structural Mosaic of Hematopoietin Receptor, Immunoglobulin, and Fibronectin Domains"	C (Continu	LOCION DOCUMENTS CONSIDERED TO BE RELEVANT	
et al. "The A20 cDNA induced by tumor necrosis factor alpha-encodes a novel type of zinc finger protein" p. 14705-14708 X J. Biol. Chem., Vol. 265, 1990, McLean, J. W. et al. "CDNA sequence of the human integrin beta-5 subunit" p. 17126-17131 X Cell, Vol. 66, 1991, Ge, H. et al. "primary structure of the human splicing factor ASF reveals similarities with drosophila regulators" p. 373-382 X Cancer Res., Vol. 52, 1992, Kondoh, N. et al. "Differential expression of S19 ribosomal protein, laminin binding protein and HLA class I mRNAs associated with colon carcinoma progression and differentiation" p. 791-796 X J. Biol. Chem., Vol. 263, 1988, Collart, F. R. et al. "Cloning and sequence analysis of the human and chinese hamster inosine-5'—monophosphate dehydrogenase cDNA" p. 15769-15772 X J. Biol. Chem., Vol. 261, 1986, Romeo, PH. et al. "Molecular cloning and nucleotide sequence of a complete human uroporphyrinogen decarboxylase cDNA" p. 9825-9831 X J. Cell Biol., Vol. 106, 1988, Leube, R. E. et al. "Molecular characterization and expression of the stratification-related cytokeratins 4 and 15" p. 1249-1261 X Proc. Natl. Acad. Sci. U.S.A., Vol. 85, 1988, Daher, K. A. et al. "Isolation and characterization of human defensin cDNA clones" p. 7327-7331 X J. Exp. Med, Vol. 172, 1990, Larsen, A. et al. "Expression Cloning of a Human Graulocyte (Colony-stimulating Factor Receptor: a Structural Mosaic of Hematopoietin Receptor, Immunoglobulin, and Fibronectin Domains"	Category°	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
"cDNA sequence of the human integrin beta-5 subunit" p. 17126-17131 X Cell, Vol. 66, 1991, Ge, H. et al. "primary structure of the human splicing factor ASF reveals similarities with drosophila regulators" p. 373-382 X Cancer Res., Vol. 52, 1992, Kondoh, N. et al. "Differential expression of S19 ribosomal protein, laminin binding protein and HLA class I mRNAs associated with colon carcinoma progression and differentiation" p. 791-796 X J. Biol. Chem., Vol. 263, 1988, Collart, F. R. et al. "Cloning and sequence analysis of the human and chinese hamster inosine-5' -monophosphate dehydrogenase cDNA" p. 15769-15772 X J. Biol. Chem., Vol. 261, 1986, Romeo, PH. et al. "Molecular cloning and nucleotide sequence of a complete human uroporphyrinogen decarboxylase cDNA" p. 9825-9831 X J. Cell Biol., Vol. 106, 1988, Leube, R. E. et al. "Molecular characterization and expression of the stratification-related cytokeratins 4 and 15" p. 1249-1261 X Proc. Natl. Acad. Sci. U.S.A., Vol. 85, 1988, Daher, K. A. et al. "Isolation and characterization of human defensin cDNA clones" p. 7327-7331 X J. Exp. Med, Vol. 172, 1990, Larsen, A. et al. "Expression Cloning of a Human Graulocyte Colony-stimulating Factor Receptor: a Structural Mosaic of Hematopoietin Receptor, Immunoglobulin, and Fibronectin Domains"	x	et al. "The A20 cDNA induced by tumor necrosis factor alpha-encodes a novel type of zinc	
"primary structure of the human splicing factor ASF reveals similarities with drosophila regulators" p. 373-382 X Cancer Res., Vol. 52, 1992, Kondoh, N. et al. "Differential expression of S19 ribosomal protein, laminin binding protein and HLA class I mRNAs associated with colon carcinoma progression and differentiation" p. 791-796 X J. Biol. Chem., Vol. 263, 1988, Collart, F. R. et al. "Cloning and sequence analysis of the human and chinese hamster inosine-5'—monophosphate dehydrogenase cDNA" p. 15769-15772 X J. Biol. Chem., Vol. 261, 1986, Romeo, PH. et al. "Molecular cloning and nucleotide sequence of a complete human uroporphyrinogen decarboxylase cDNA" p. 9825-9831 X J. Cell Biol., Vol. 106, 1988, Leube, R. E. et al. "Molecular characterization and expression of the stratification-related cytokeratins 4 and 15" p. 1249-1261 X Proc. Natl. Acad. Sci. U.S.A., Vol. 85, 1988, Daher, K. A. et al. "Isolation and characterization of human defensin cDNA clones" p. 7327-7331 X J. Exp. Med, Vol. 172, 1990, Larsen, A. et al. "Expression Cloning of a Human Graulocyte Colony-stimulating Factor Receptor: a Structural Mosaic of Hematopoietin Receptor, Immunoglobulin, and Fibronectin Domains"	х	et al. "cDNA sequence of the human integrin beta-5	1
"Differential expression of S19 ribosomal protein, laminin binding protein and HLA class I mRNAs associated with colon carcinoma progression and differentiation" p. 791-796 X J. Biol. Chem., Vol. 263, 1988, Collart, F. R. et al. "Cloning and sequence analysis of the human and chinese hamster inosine-5' -monophosphate dehydrogenase cDNA" p. 15769-15772 X J. Biol. Chem., Vol. 261, 1986, Romeo, PH. et al. "Molecular cloning and nucleotide sequence of a complete human uroporphyrinogen decarboxylase cDNA" p. 9825-9831 X J. Cell Biol., Vol. 106, 1988, Leube, R. E. et al. "Molecular characterization and expression of the stratification-related cytokeratins 4 and 15" p. 1249-1261 X Proc. Natl. Acad. Sci. U.S.A., Vol. 85, 1988, Daher, K. A. et al. "Isolation and characterization of human defensin cDNA clones" p. 7327-7331 X J. Exp. Med, Vol. 172, 1990, Larsen, A. et al. "Expression Cloning of a Human Graulocyte Colony-stimulating Factor Receptor: a Structural Mosaic of Hematopoietin Receptor, Immunoglobulin, and Fibronectin Domains"	x	"primary structure of the human splicing factor ASF reveals similarities with drosophila	(5860)
et al. "Cloning and sequence analysis of the human and chinese hamster inosine-5' -monophosphate dehydrogenase cDNA" p. 15769-15772 X J. Biol. Chem., Vol. 261, 1986, Romeo, PH. et al. "Molecular cloning and nucleotide sequence of a complete human uroporphyrinogen decarboxylase cDNA" p. 9825-9831 X J. Cell Biol., Vol. 106, 1988, Leube, R. E. et al. "Molecular characterization and expression of the stratification-related cytokeratins 4 and 15" p. 1249-1261 X Proc. Natl. Acad. Sci. U.S.A., Vol. 85, 1988, Daher, K. A. et al. "Isolation and characterization of human defensin cDNA clones" p. 7327-7331 X J. Exp. Med, Vol. 172, 1990, Larsen, A. et al. "Expression Cloning of a Human Graulocyte Colony-stimulating Factor Receptor: a Structural Mosaic of Hematopoietin Receptor, Immunoglobulin, and Fibronectin Domains"		"Differential expression of S19 ribosomal protein, laminin binding protein and HLA class I mRNAs associated with colon carcinoma	
et al. "Molecular cloning and nucleotide sequence of a complete human uroporphyrinogen decarboxylase cDNA" p. 9825-9831 X J. Cell Biol., Vol. 106, 1988, Leube, R. E. et al. "Molecular characterization and expression of the stratification-related cytokeratins 4 and 15" p. 1249-1261 X Proc. Natl. Acad. Sci. U.S.A., Vol. 85, 1988, Daher, K. A. et al. "Isolation and characterization of human defensin cDNA clones" p. 7327-7331 X J. Exp. Med, Vol. 172, 1990, Larsen, A. et al. "Expression Cloning of a Human Graulocyte Colony-stimulating Factor Receptor: a Structural Mosaic of Hematopoietin Receptor, Immunoglobulin, and Fibronectin Domains"		et al. "Cloning and sequence analysis of the human and chinese hamster inosine-5' -monophosphate	- •
et al. "Molecular characterization and expression of the stratification-related cytokeratins 4 and 15" p. 1249-1261 X Proc. Natl. Acad. Sci. U.S.A., Vol. 85, 1988, Daher, K. A. et al. "Isolation and characterization of human defensin cDNA clones" p. 7327-7331 X J. Exp. Med, Vol. 172, 1990, Larsen, A. et al. "Expression Cloning of a Human Graulocyte Colony-stimulating Factor Receptor: a Structural Mosaic of Hematopoietin Receptor, Immunoglobulin, and Fibronectin Domains"		et al. "Molecular cloning and nucleotide sequence of a complete human uroporphyrinogen	
Daher, K. A. et al. "Isolation and characterization of human defensin cDNA clones" p. 7327-7331 X J. Exp. Med, Vol. 172, 1990, Larsen, A. et al. "Expression Cloning of a Human Graulocyte (7126) Colony-stimulating Factor Receptor: a Structural Mosaic of Hematopoietin Receptor, Immunoglobulin, and Fibronectin Domains"	1	et al. "Molecular characterization and expression of the stratification-related cytokeratins 4 and	1
"Expression Cloning of a Human Graulocyte (7126) Colony-stimulating Factor Receptor: a Structural Mosaic of Hematopoietin Receptor, Immunoglobulin, and Fibronectin Domains"	Į	Daher, K. A. et al. "Isolation and characterization of human	
	S	Expression Cloning of a Human Graulocyte Colony-stimulating Factor Receptor: a Structural Mosaic of Hematopoietin Receptor, Emmunoglobulin, and Fibronectin Domains"	

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C (Continu	lation). DOCUMENTS CONSIDERED TO BE RELEVANT		
Category	Citation of document, with indication, where appropriate, of the relev	ant passages	Relevant to claim No.
х	Oncogene, Vol. 8, 1993, Schulz, A. S. "The genomic structure of the human UF receptor" p. 509-513	et al. O	1-6 (7790)
A	Nature Genetics, Vol. 2, 1992, Okubo, "Large scale cDNA sequencing for analy quantitative and qualitative aspects o expression" p. 173-179	sis of	1-6_
A	Nature Genetics, Vol. 2, 1992, Khan, A al. "Single pass sequencing and physical argenetic mapping of human brain cDNAs" p. 180-188	ĺ	1-6